CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, August 3, 1905.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See issue.
July				
Aug.				
	5—Joiner shop.	Puget Sound, Wash.	S.	6-29
	5—Water-works.	Barnesville, Minn.	B. S.	7-20
	*5—Sewer.	Phillipsburg, N. J.	P. & S.	7-27
	*7—Bridge.	Batesville, N. J.	P. & S.	7-27
	*8—Water-works.	Columbia, S. C.	S.	6-29
	*9—Reservoir.	Franklin, N. H.	S.	8- 3
	*10—Water and light plant.	Bolivar, Tenn.	S.	7-27
	12—Steel work, etc.	Washington, D. C.	S.	7-27
	*13—Pipe, reservoir, etc.	Uxbridge, Mass.	P., S. & B. S.	8- 3
	*14—Electric plant, etc.	Lake Placid, N. Y.	S.	7-27
	*14—Pipe laying.	Union, N. J.	S.	7-27
	*15—Sewers.	New Britain, Conn.	P. & S.	7-27
	*17—Dike.	Los Angeles, Cal.	P. & S.	6-22
	19—Prison addition.	Portsmouth, N. H.	S.	8- 3
	26—Coaling plant.	Philippines.	S.	5- 4
	*28—Asphalt plant.	New Orleans, La.	S.	7-27
Sept.				
	1—Steel manufacture.	New S. Wales.	S.	3-23
	—Library.	New Orleans, La.	S.	7- 6

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

Bids close.	Work.	Place.	See issue.

LIGHT, HEAT AND POWER PLANTS

Aug. 5.	Boilers, etc.,	Creston, Ia.	Aug. 3
Aug. 9.	Equipment,	Plymouth, O.	Aug. 3
Aug. 12.	Power equipment., etc.,	Stoughton, Wis.	Aug. 3
	Advertised, Eng. News, Aug. 3.		
Aug. 14.	Electric plant, etc.,	Lake Placid, N. Y.	Aug. 3
	Advertised, Eng. News, July 27.		
Aug. 14.	Electric plant franchise,	Somerset, Ky.	Aug. 3
	Advertised, Eng. News, Aug 3.		
Aug. 19.	Gas mains,	Ft. Myer, Va.	Aug. 3
Aug. 21.	Generator, etc.,	Moose Jaw, N. W. T.	Aug. 3
	Advertised, Eng. News, Aug. 3 to 17.		
Aug. 24.	Gas plant,	Ft. Wayne, Ind.	July 6
	Advertised, Eng. News, July 6 and 13.		
Aug. 28.	Switch boards, etc.,	Washington, D. C.	July 27
	Advertised, Eng. News, July 27 to Aug. 3.		
Sept. 30.	Power plant, etc.,	Washington, D. C.	Aug. 3
	Advertised, Eng. News, Aug. 3 to Sept. 21.		

BRIDGES.

Aug. 3.	Bridge, iron, Springfield, O.		July 27
	Advertised, Eng. News, July 27.		
Aug. 3.	Bridge,	Bryson, Que.	July 27
Aug. 5.	Bridge, steel,	Fort Pierre, S. Dak.	July 27
	Advertised, Eng. News, July 27.		
Aug. 5.	Bridge,	Denver, Colo.	Aug. 3
Aug. 7.	Bridge,	Glenburn, Cal.	Aug. 3
Aug. 7.	Bridge,	Yazoo, Miss.	Aug. 3
Aug. 7.	Bridge,	Tipton, Ind.	Aug. 3
Aug. 7.	Bridge, dam,	Boston, Mass.	Aug. 3
Aug. 7.	Bridges,	New Albany, Ind.	Aug. 3
Aug. 7.	Bridge,	Weaverville, Cal.	Aug. 3
Aug. 7.	Bridges,	Louisville, Ky.	July 27
Aug. 7.	Bridge, iron,	Batesville, N. J.	July 27
	Advertised, Eng. News, July 27.		
Aug. 7.	Bridge, Mt. Clemens,	Mich.	July 27
Aug. 7.	Bridge, steel,	Marion, O.	July 20
Aug. 7.	Bridges and arches,	Decatur, Ind.	July 20
Aug. 7.	Concrete arches, etc.,	Frankfort, Ind.	July 20
Aug. 7.	Bridge, steel,	Clarksdale, Miss.	July 20
	Advertised, Eng. News, July 20.		
Aug. 8.	Bridges,	Fargo, N. Dak.	July 20
Aug. 8.	Bridges,	Merced, Cal.	July 20
Aug. 8.	Concrete bridge,	Stockton, Cal.	July 27
Aug. 8.	Bridges,	Brownstown, Ind.	Aug. 3
Aug. 10.	Bridge,	Stevenson, Wash.	Aug. 3
Aug. 10.	Bridge, concrete,	Bridgeport, Conn.	July 27
	Advertised, Eng. News, July 27 and Aug. 3.		
Aug. 10.	Bridge,	New York, N. Y.	Aug. 3
	Advertised, Eng. News, Aug. 3.		
Aug. 11.	Bridges,	Stockton, Mo.	Aug. 3
Aug. 15.	Masonry bridge,	Napa, Cal.	Aug. 3
Aug. 21.	Bridge,	Huntington, W. Va.	Aug. 3
Aug. 21.	Bridge,	Concord, Me.	Aug. 3
	Advertised, Eng. News, Aug. 3 and 10.		
Sept. 18.	Bridges, steel,	Virginia City, Mont.	July 20
Sept. 30.	Bridges,	Porto Rico	Aug. 3
	Advertised, Eng. News, Aug. 3 to Sept. 21.		

BUILDINGS.

Aug. 4.	Heating system,	Geneseo, N. Y.	July 27
Aug. 5.	Joiner shop (Mfg. Plants),	Puget Sound	
	Wash.		June 29
Aug. 5.	Building, Hot Springs,	S. Dak.	July 20
Aug. 7.	School,	Athens, Ga.	July 20
Aug. 7.	Post-office,	Adrian, Mich.	June 29
Aug. 7.	Building,	Rome, N. Y.	July 13
	Advertised, Eng. News, July 13 to Aug. 3.		
Aug. 7.	Building,	Shreveport, La.	July 27
Aug. 7.	Armory improvements,	Albany, N. Y.	Aug. 3
Aug. 9.	Library,	Louisville, Ky.	July 27
Aug. 9.	Library,	Bloomington, Ind.	June 29
Aug. 9.	Building, etc.,	Chicago, Ill.	June 22
Aug. 10.	Jail,	Salem, Va.	July 13
	Advertised, Eng. News, July 13 and 20.		
Aug. 10.	Schools,	Hackensack, N. J.	July 27
Aug. 10.	Aquarium repairs,	New York, N. Y.	Aug. 3
Aug. 12.	Steelwork, etc.,	Washington, D. C.	July 27
Aug. 14.	Court-house,	Cedartown, Ga.	July 6
Aug. 14.	Temple,	North Platte, Neb.	Aug. 3
Aug. 14.	Schools,	New York, N. Y.	Aug. 3
Aug. 15.	Light fixtures,	Pekin, Ill.	July 27
Aug. 16.	Post-office,	McKeesport, Pa.	July 13
	Advertised, Eng. News, July 13 and 20.		
Aug. 16.	Library,	Bloomington, Ind.	Aug. 3
Aug. 17.	Building,	Hayward, Wis.	July 27
Aug. 17.	Post-office,	Burlington, Ia.	July 13
Aug. 19.	Building,	Portsmouth, N. H.	July 27
Aug. 19	Prison addition,	Portsmouth, N. H.	Aug. 3
Aug. 21.	Hospital,	Southport, N. C.	July 27
	Advertised, Eng. News, July 27 and Aug. 3.		
Aug. 21.	Boilers, fixtures, etc.,	Ithaca, N. Y.	Aug. 3
	Advertised, Eng. News, Aug. 3 to 17.		
Aug. 21.	Court-house,	Caldwell, Idaho	Aug. 3
Aug. 24.	Apparatus,	Lincoln, Neb.	Aug. 3
Aug. 24.	Buildings,	Seattle, Wash.	Aug. 3
Aug. 24.	Five buildings,	Seattle, Wash.	Aug. 3
Aug. 22.	Buildings,	Santa Fe, N. Mex.	July 27
Aug. 28.	Hospital,	Buffalo, N. Y.	July 27
	Advertised, Eng. News, July 27 to Aug. 31.		
Aug. 28.	Frame barrack, etc.,	Delaware City, Del.	Aug. 3
	Advertised, Eng. News, Aug. 3 to 17.		
Sept. 1.	City-hall plans,	Regina, N. W. T.	Aug. 3
Sept. 4.	Heating system, etc.,	Huntington, Ind.	July 27
Sept. 10.	Office building,	Omaha, Neb.	Aug. 3
Sept. 14.	Hotel,	Little Rock, Ark.	July 6
No date.	Heating plant,	Pittsburg, Pa.	July 27

WATER SUPPLY AND IRRIGATION.

Aug. 4.	Wells,	Newark, N. J.	Aug. 3
Aug. 4.	Reservoir,	Bloomington, Ill.	Aug. 3
Aug. 5.	Reservoir, etc.,	Hot Springs, S. Dak.	July 20
Aug. 5.	Water main extensions,	Norwalk, O.	July 20
Aug. 5.	Water-works,	Barnesville, Minn.	July 20
Aug. 7.	Water pipe,	Homestead, Pa.	July 20
Aug. 7.	Filter plant,	St. Cloud, Minn.	July 13
Aug. 7.	Pipe,	Falmouth, Mass.	July 27
	Advertised, Eng. News, July 27 and Aug. 3.		
Aug. 7.	Laying mains,	Oconomowoc, Wis.	Aug. 3
Aug. 7.	Intake line, water-works,	Paris, Tex.	Aug. 3
Aug. 8.	Stand-pipe, mains, etc.,	Oxford, Pa.	Aug. 3
Aug. 8.	Water-works,	Republic, Mich.	July 27
	Advertised, Eng. News, July 27.		
Aug. 8.	Water-works,	Columbia, S. C.	June 29
	Advertised, Eng. News, June 29 to July 27.		
Aug. 8.	Water-works,	Hammond, La.	July 20
	Advertised, Eng. News, July 20 to Aug. 10.		
Aug. 8.	Reservoir, etc.,	Oneida, N. Y.	July 20
	Advertised, Eng. News, July 20.		
Aug. 9.	Water-wks. improvements,	Boston, Mass.	July 27
Aug. 9.	Pumping station, etc.,	New York, N. Y.	July 27
Aug. 9.	Reservoir, etc.,	Franklin, N. H.	Aug. 3
	Advertised, Eng. News, July 27 and Aug. 3.		
Aug	10. Water-works, light plant,	Bolivar, Tenn.	July 27
	Advertised, Eng. News, July 27.		
Aug. 11.	Stand-pipe,	Grand Rapids, Mich.	July 20
	Advertised, Eng. News, July 20 and 27.		
Aug. 11.	Pipe laying,	Cincinnati, O.	July 20
Aug. 12.	Water-works,	Newark, O.	July 27
	Advertised, Eng. News, July 27 and Aug. 3.		
Aug. 13.	Pipe, reservoir, etc.,	Uxbridge, Mass.	Aug. 3
	Advertised, Eng. News, Aug. 3 and 10.		
Aug. 14.	Laying mains,	Union City, Pa.	Aug. 3
	Advertised, Eng. News, Aug. 3 and 10.		
Aug. 14.	Water-works franchise,	Somerset, Ky.	Aug. 3
	Advertised, Eng. News, Aug. 3.		
Aug. 14.	Artesian well,	Victoria, Tex.	Aug. 3
Aug. 14.	Water-works,	Lonetree, Ia.	July 27
Aug. 14.	Pipe laying,	Union, N. J.	July 27
	Advertised, Eng. News, July 27 to Aug. 17.		
Aug. 15.	Reservoir, etc.,	Fort McPherson, Ga.	July 27
Aug. 15.	Reservoir,	Mt. Vernon, Ill.	Aug. 3
	Advertised, Eng. News, Aug. 3.		
Aug. 16.	Pathfinder dam,	Denver, Colo.	July 20
	Advertised, Eng. News, July 20 to Aug. 17.		
Aug. 18.	Laying mains,	White Hall, Ill.	Aug. 3
Aug. 24.	Water-wks., electric light,	Marksville, La.	July 27
	Advertised, Eng. News, July 27.		
Aug. 26.	Reservoir, etc.,	Ft. Moultrie, S. C.	July 27
	Advertised, Eng. News, July 27 to Aug. 17.		
Aug. 28.	Pumping plant,	Winnipeg, Man.	July 6
	Advertised, Eng. News, July 6 to Aug. 24.		
Sept. 14.	Pumping machinery,	Columbus, O.	Aug. 3
	Advertised, Eng. News, Aug. 3 to Sept. 14.		
Sept. 19.	Pumps, hydrants, etc.,	Toronto, Ont.	Aug. 3
	Advertised, Eng. News, Aug. 3 to Aug. 24.		

SEWERAGE.

Aug. 5.	Sewers,	West Haverstraw, N. Y.	July 20
	Advertised, Eng. News, July 20 and 27.		
Aug. 5.	Sewers,	Alliance, O.	June 29
Aug. 5.	Sewer,	Phillipsburg, N. J.	July 27
	Advertised, Eng. News, July 27 and Aug. 3.		
Aug. 5.	Sewer, septic tank, etc.,	Grafton, N. Dak.	Aug. 3
Aug. 5.	Sewers,	Edgerton, Wis.	Aug. 3
Aug. 7.	Sewer,	Mansfield, O.	Aug. 3
Aug. 7.	Sewers,	Anaconda, Mont.	July 27
Aug. 7.	Sewers,	Albany, N. Y.	July 27
Aug. 8.	Sewer,	Tell City, Ind.	July 27
Aug. 8.	Sewers,	West Point, N. Y.	July 13
	Advertised, Eng. News, July 13 to Aug. 10.		
Aug. 8.	Sewers,	Brownstown, Ind.	Aug. 3
Aug. 9.	Sewer,	Marion, O.	Aug. 3
Aug. 10.	Sewers,	Middletown, O.	Aug. 3
	Advertised, Eng. News, Aug. 3.		
Aug. 10.	Sewer, etc.,	Winnetka, Ill.	Aug. 3
	Advertised, Eng. News, Aug. 3.		
Aug. 11.	Drains,	Cincinnati, O.	July 20
Aug. 11.	Sewer,	Grand Rapids, Mich.	July 20
	Advertised, Eng. News, July 20 and 27.		
Aug. 14.	Sewers,	Beloit, Wis.	Aug. 3
Aug. 14.	Pipe sewers,	Beloit, Wis.	Aug. 3
Aug. 14.	Sewers,	Cincinnati, O.	Aug. 3
Aug. 15.	Sewers,	New Britain, Conn.	July 27
	Advertised, Eng. News, July 27 and Aug. 3.		
Aug. 16.	Sewer,	Winchester, Ind.	July 27
Aug. 19.	Sewers,	Norwood, O.	Aug. 3
Aug. 22.	Sewer system,	Santa Fe, N. Mex.	July 27
Aug. 23.	Sewers,	Chicago, Ill.	July 27
	Advertised, Eng. News, July 27 to Aug. 17.		
Aug. 24.	Sewers,	Clinton, Ia.	July 27

STREETS AND ROADS.

Aug. 4.	Macadam road,	Washington, D. C.	July 13
	Advertised, Eng. News, July 13 to Aug. 10.		
Aug. 4.	Roads and walks,	Richmond, Ind.	July 27
Aug. 5.	Sidewalks, wooden,	Seattle, Wash.	July 27
Aug. 5.	Paving, brick,	Washington, D. C.	July 13
Aug. 7.	Roads,	Martinsville, Ind.	July 13
Aug. 7.	Paving, vitrified brick,	Greensburg, Pa.	July 20
Aug. 7.	Macadamizing, etc.,	Green Bay, Wis.	July 20
Aug. 7.	Rock roads,	English, Ind.	July 27
Aug. 7.	Walks, etc.,	Albany, N. Y.	July 27
Aug. 7.	Paving,	Auburn, N. Y.	July 27
	Advertised, Eng. News, July 27 and Aug. 3.		
Aug. 7.	Gravel road,	Columbus, Ind.	July 27
Aug. 7.	Macadamizing,	Greensburg, Ind.	July 27
Aug. 7.	Brick paving,	Ottumwa, Ia.	Aug. 3
Aug. 7.	Pike road,	Vernon, Ind.	Aug. 3
Aug. 7.	Paving,	Perth Amboy, N. J.	Aug. 3
Aug. 8.	Paving,	Manchester, Ia.	Aug. 3
Aug. 8.	Gravel road,	Brazil, Ind.	Aug. 3
Aug. 8.	Gravel roads,	Vincennes, Ind.	Aug. 3
Aug. 8.	Roads,	Knox, Ind.	July 27
Aug. 8.	Gravel road,	Corydon, Ind.	July 27
Aug. 8.	Paving,	Shreveport, La.	July 27
Aug. 8.	Paving,	Auburn, N. Y.	July 20
Aug. 8.	Paving,	Shreveport, La.	June 29
	Advertised, Eng. News, June 29 to Aug. 10.		
Aug. 9.	Asphalt paving,	Marion, O.	Aug. 3
Aug. 11.	Road,	Cincinnati, O.	July 20
Aug. 11.	Roads,	Napoleon, O.	July 27
Aug. 12.	Road,	Harrisburg, Pa.	July 27
Aug. 12.	Road,	Greencastle, Ind.	Aug. 3
Aug. 12.	Road,	Harrisburg, Pa.	Aug. 3
Aug. 14.	Paving,	Cincinnati, O.	Aug. 3
Aug. 15.	Paving,	Suffolk, Va.	Aug. 3
Aug. 15.	Gravel road,	Crownpoint, Ind.	July 15
Aug. 16.	Paving,	Newburgh, N. Y.	Aug. 3
	Advertised, Eng. News, Aug. 3 and 10.		
Aug. 17.	Block paving,	Macon, Mo.	Aug. 3
Aug. 19.	Grading,	Liverpool, O.	Aug. 3
Aug. 22.	Paving, etc.,	Alliance, O.	Aug. 3
Aug. 28.	Road,	Bowling Green, O.	Aug. 3
Aug. 28.	Asphalt plant,	New Orleans, La.	July 27
	Advertised, Eng. News, July 27 to Aug. 30.		

MISCELLANEOUS CONTRACTS.

Aug. 4.	Ditch work,	Rensselaer, Ind.	July 20
Aug. 5.	Piling, earthwork,	Sacramento, Cal.	July 27
Aug. 5.	Conduit,	Washington, D. C.	July 27
Aug. 7.	Removing engines, etc.,	Chicago, Ill.	Aug. 3
	Advertised, Eng. News, Aug. 3.		
Aug. 7.	Ditch,	Plymouth, Ind.	Aug. 3
Aug. 8.	Electrical supplies, etc.,	Wash., D. C.	July 27
Aug. 8.	Cement, fence, etc.,	Washington, D. C.	July 27
Aug. 8.	Curbstone, boilers, etc.,	Washington, D. C.	July 27
Aug. 8.	Dredge work,	Wauseon, O.	July 20
Aug. 8.	Levee,	Walnut Hill, Ark.	July 20
Aug. 9.	Ditch work,	South Bend, Ind.	Aug. 3
Aug. 10.	Dredging,	Pittsburg, Pa.	Aug. 3
Aug. 10.	Wall,	New York, N. Y.	Aug. 3
Aug. 10.	Levee,	New Orleans, La.	July 20
	Advertised, Eng. News, July 20 to Aug. 10.		
Aug. 10.	Flagstaff,	St. Louis, Mo.	July 20
Aug. 11.	Levee work,	New Orleans, La.	July 20
	Advertised, Eng. News, July 20 to Aug. 10.		
Aug. 11.	Dredging,	Norfolk, Va.	July 20
	Advertised, Eng. News, July 20 and Aug. 3.		
Aug. 11.	Ditch work,	Valparaiso, Ind.	Aug. 3
Aug. 14.	Dredging,	Detroit, Mich.	July 27
Aug. 14.	Lumber, steel, etc.,	New York, N. Y.	Aug. 3
Aug. 15.	Concrete work,	Newark, N. J.	Aug. 3
	Advertised, Eng. News, Aug. 3.		
Aug. 15.	Sand, meters, etc.,	Washington, D. C.	Aug. 3
Aug. 15.	Cement, timber, etc.,	Washington, D. C.	July 27
Aug. 16.	Removing buildings,	Delaware City, Del.	July 27
	Advertised, Eng. News, July 27 to Aug. 17.		
Aug. 17.	Light-house,	Buffalo, N. Y.	July 20
	Advertised, Eng. News, July 20 to Aug. 17.		
Aug. 17.	Dike,	Los Angeles, Cal.	June 22
	Advertised, Eng. News, June 22 to Aug. 3.		
Aug. 18.	Dredging,	Newport, R. I.	July 20
	Advertised, Eng. News, July 20 to Aug. 17.		
Aug. 18.	Inlet wall,	San Francisco, Cal.	July 20
	Advertised, Eng. News, July 20 to Aug. 17.		
Aug. 19.	Dredges,	Washington, D. C.	July 20
	Advertised, Eng. News, July 20 to Aug. 24.		
Aug. 19.	Dredging,	Seattle, Wash.	Aug. 3
Aug. 21.	Steel bars, Glendive,	Mont.	July 13
	Advertised, Eng. News, July 13 to Aug. 3.		
Aug. 21.	Dredging,	Wilmington, Del.	July 27
	Advertised, Eng. News, July 27 to Aug. 24.		
Aug. 21.	Traveling crane,	Washington, D. C.	July 27
	Advertised, Eng. News, July 27 and Aug. 3.		
Aug. 22.	Machinery,	Washington, D. C.	July 27
Aug. 25.	Laundry machines, pipe, etc.,	Wash., D. C.	July 27
Aug. 26.	Coaling plant,	Philippines	May 4
Aug. 26.	Dredging,	New London, Conn.	Aug. 3
	Advertised, Eng. News, Aug. 3 to Aug. 31.		
Aug. 27.	Filling and grading,	Key West, Fla.	July 20
Aug. 28.	Canal,	Montrose, Colo.	July 13
	Advertised, Eng. News, July 13 to Aug. 3.		
Aug. 28.	Sanitary fixtures,	Washington, D. C.	Aug. 3
	Advertised, Eng. News, Aug. 3 to Aug. 31.		
Aug. 29.	Bonds,	Marksville, La.	July 27
	Advertised, Eng. News, July 27.		
Aug. 29.	Forges, etc.,	Washington, D. C.	July 27
Aug. 30.	Breakwater extension,	Newport, R. I.	Aug. 30
	Advertised, Eng. News, Aug. 3 to Aug. 31.		
Aug. 31.	Dredging,	Portland, Me.	Aug. 3
	Advertised, Eng. News, Aug. 3 to Aug. 31.		
Aug. 31.	Lock and dam,	Nashville, Tenn.	Aug. 3
	Advertised, Eng. News, Aug. 3 to Aug. 31.		
Sept. 1.	Steel manufacture,	New South Wales.	Mar. 23
	Advertised, Eng. News, Mar. 30 to June 29.		
Sept. 5.	Dam,	Billings, Mont.	July 13
	Advertised, Eng. News, July 13 to Aug. 3.		
Sept 6.	Tunnel,	Billings, Mont.	July 13
	Advertised, Eng. News, July 13 to Aug. 3.		
Sept. 9.	Concrete work,	Florida East Coast Ry.	July 27
	Advertised, Eng. News, July 27 and Aug. 31.		
Nov. 1.	Railroads,	Philippines	June 15

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

APALACHICOLA NORTHERN. — J. H. Trump, Secy., Apalachicola, Fla., advises us that 12 miles have been graded for line from St. Joseph's Bay to Bainbridge, Ga., via Apalachicola, River Junction and Quincy, Fla., 125 miles long. Most of line is surveyed and right-of-way secured. The MOREY ENGINEERING & CONSTRUCTION CO., St. Louis, Mo., has contract for construction of the railroad. Charles B. Duffy is Pres. and W. A. Hunicke is Ch. Engr., at Apalachicola. Previously noted.

BLUE RIDGE.—It is planned to build an extension of this railway from Walhalla, S. C.; J. R. Anderson, Anderson, S. C., is Supt.

BOYNE CITY, GAYLORD & ALPENA.—We are informed that grading is well under way as far as Gaylord on line that will extend from Boyne City, through Boyne Falls, Gaylord and Atlanta, to Alpena, Mich. Track will probably be laid over the section already graded, about 26 miles, this month. Of this distance 11 miles are old road and 15 new construction. Preliminary survey has been made for ten miles east of Gaylord. W. L. SAGER, of Saginaw, Mich., has contract for grading last five miles into Gaylord. Company is doing remainder of the work and is laying track. W. H. White is Pres. and N. J. Tubbs is Ch. Engr., at Boyne City, Mich. Total length will be 110 miles.

BUCKS CREEK & CATAWBA.—Company has been incorporated in North Carolina to build a railroad from a point in McDowell County, eight miles from the mouth of Bucks Creek, down its valley to the Catawba River, along the latter to its north fork, up that valley north to the river, thence along the latter to the point where it crosses the state line into Tennessee, passing through McDowell, Mitchell and Yancey Counties, a total length of 100 miles. Capital stock, $500,000. Incorporators: C. Boyce, Abingdon, Va.; George Edwards, Winston-Salem, N. C.; J. Crawford Biggs, Durham; Leo. D. Heart, William Jones and Sampel J. Hinsdale, Raleigh, N. C. Principal office, Durham, N. C.

BALTIMORE & OHIO.—We are informed that this company will extend the double track of the Metropolitan branch from Gaithersburg to Germantown, Md., a distance of about four miles; and from Barnesville to Dickerson, a little over two miles. Work will require about a year for completion and will cost $600,000. When this is done, the Metropolitan branch will be double-tracked from Washington to Washington Junction, a distance of 43 miles, with the exception of six miles between Germantown and Barnesville and seven miles between Dickerson and Washington Junction. The contract for the construction of the additional track from Gaithersburg to Germantown has been awarded to the CHESAPEAKE CONSTRUCTION CO., of Baltimore, Md. Contract for track between Barnesville and Dickerson awarded to F. H. CLEMENT & CO., of Philadelphia. D. D. Carothers, Ch. Engr., and A. M. Kinsman, Engr. of Construction, at Baltimore, Md.

The Shenandoah division between Harper's Ferry, W. Va., and Lexington, is being officially inspected for the purpose of extensive improvements by H. E. Hall, of the maintenance-of-way department; J. E. Spurier, Div. Supt., of Winchester, Va., and F. J. Bachelder, Asst. Div. Engr.

CHICAGO, ROCK ISLAND & PACIFIC.—An extension will be built from Hope, Ark., via Monroe, La., to St. Joseph, La.

COLUMBUS NORTHERN.—We are informed that this company has not yet been organized. Noted fully on May 25. A charter has been granted the company, which is now in the possession of the Georgia, Florida & Alabama Ry. Co.

CANADIAN PACIFIC.—Directors of this company have approved contract with FOLEY BROS., of Minneapolis, Minn., for double-tracking C. P. Ry., from Fort William to Winnipeg, Man., 426 miles. Work is to be completed in three years.

CHICAGO & NORTHWESTERN.—We are advised by Edward C. Carter, Ch. Engr., at Chicago, that contract for grading, bridging and track-laying between Manitowoc and Green Bay on Manitowoc, Green Bay & Northwestern Ry., has been awarded to STREETER & LUSK. Line is under construction.

CRITTENDEN RAILROAD.—This company has applied for a charter in Arkansas to build a railroad from Earle, Crittenden County, southwest to Heth, 15 miles. Capital stock, $150,000. Directors are Isaac Block, of Wynne; C. T. Whitman, of Earl; E. A. Roje, of Forrest City; J. T. Hayden, of Crawfordsville, and Lewis Barton, of Marion.

COLUMBUS & LAKE MICHIGAN.—We are informed that 42 miles are now in operation. Line is located from Columbus, O., through Lima, Defiance, West Unity, O.; Coldwater, Pioneer, Allegan, Saugatuck, Kalamazoo and Battle Creek, 355 miles; 48 miles are graded and 50 miles will be constructed this year. Elliott C. Smith, 33 Wall St., is Pres. C. T. Hobart, Lima, O., is Ch. Engr. Previously noted.

DECKERVILLE, HYDRICK & WESTERN.—Company has been chartered to build a standard-gage road from Deckerville, through Poinsett, Crittenden and Cross Counties, a distance of 27 miles. The capital stock is $216,000. The incorporators are: G. W. Patterson, S. A. Martin, E. B. Smith, Fred. H. Farnham, Charles Patterson, W. E. Reichardt, N. B. Metcalf, all of Earl, Ark.; C. B. Bailey, of Wynne; Herman A. Black and F. E. Hare, of Vandale.

ENGELWOOD, ALEXANDRIA & SOUTHWESTERN.—Incorporated in Louisiana to build a railroad from Englewood, southwest to Alexandria, passing through the parishes of Tensas, Franklin, Catahoula and Rapides. Capital stock, $1,000,000. Officers: George Engel, Pres.; Fred. J. Metz, vice-Pres.; Frank Hadden, second vice-Pres.; George P. Hummer, Secy. and Treas.; Herman Engel, Gen. Mgr., Edson Wilcox, Supt., at Engelwood. Company is authorized to extend its line southward from Alexandria and to construct branches, if desired.

GRAND TRUNK PACIFIC.—Minister of Railways, Henry R. Emmerson, is reported to have announced that the Dominion Government has set aside $1,000,000 for immediate work on the Government section of the new Canadian transcontinental line, to be used principally for terminals and securing right-of-way. The Government had decided to own its terminals at Winnipeg, Man., and Quebec, Que.

LOUISVILLE & NASHVILLE.—This company has awarded the contract to DUNNO & LELLAND, of Birmingham, Ala., to build an extension of 20 miles from the road known as the North Alabama to the Vulcan mines of the Warrior field. The extension will cost about $500,000.

OREGON RAILROAD & NAVIGATION CO.—ERICKSON & PETERSON, of San Francisco, Cal., were awarded the contract for constructing the O. R. & N.-Northern Pacific connection between Riparia and Lewiston, Wash. The line will be started immediately, and according to the terms of the contract is to be in shape for operation April 1, 1906. The estimated cost is between $1,700,000 and $2,000,000.

PENNSYLVANIA.—A report from Pittsburg, Pa., states that the Jones & Laughlin Steel Co., of that city, will complete plans for a railroad to the Great Lakes. Construction is to be started in fall.

PENNSYLVANIA RY.—S. M. GREEN, of Uniontown, Pa., has been awarded contract for extension of the Pittsburg, Virginia & Charleston branch from West Brownsville to Rices Landing, 14 miles. KELLER & CROSSAN, of Philadelphia, will do grading.

PENSACOLA, ALABAMA & WESTERN.—We are informed that it is probable that permanent organization will be effected this fall. In May we were informed that preliminary survey from Pensacola to Memphis, 400 miles, had been completed. Most of the right-of-way has been secured. Estimates of the cost of a first-class road are being prepared. The survey of a number of branch lines has been begun. J. I. Miller, Selma, Ala., is Ch. Engr. William H. Knowles, Pensacola, Fla., is Pres.

ST. LOUIS & NORTHWESTERN.—I. K. Pierson, Ch. Engr., 416 Cuyahoga Bldg., Cleveland, O., advises us that survey for this railway are completed. 80% of right-of-way is secured. Capital not yet secured for construction. The line will be 120 miles long, extending from Mokane, Mo., via Fulton, Millersburg, Columbia, Fayette, Roanoke, Salisbury and Marceline, to Brookfield, Mo. The railway is now the property of Mr. Pierson, by purchase. Survey was run several years ago.

SOUTHSIDE COAL & RY. CO.—This company has been chartered in Arkansas to build a standard-gage road from Paris to Dardanelle, a distance of 38 miles, with a branch to intersect the main line at Shoal creek, a distance of four miles, and another branch to a point near Mormon's Bluff, a distance of eight miles, making a total mileage for the road of 50 miles. The capital stock of this company is $1,250,000. The directors are: T. D. Kinman, Anthony Hall, Henry Strother, D. E. Bradshaw, George D. Locke, Allan R. Smart and William Allan, Jr., of Paris, Ark.

TENNESSEE RY.—We are informed that contracts have been let for the construction of 21 miles of new line, to be done this year. The contractors are ESKRIDGE & CARROLL and WM. McD. BURGIN & CO. W. O. Dyer, Oneida, Tenn., is Ch. Engr. The road leaves the Cincinnati, New Orleans & Texas Pacific Ry. at Oneida, Tenn., and traverses the Paint Rock and New River coalfields. It will develop extensive timber lands. The road, when built, will aggregate about 75 miles. Bird M. Robinson, Hanover Natl. Bank Bldg., of New York City, is Pres.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

HARTFORD, CONN.—The Hartford "Courant" states that the Hartford & Springfield Street Ry. Co. has voted to purchase the Rockville, Broad Brook & East Windsor Ry., which will be built by the H. & S. Co. Contract for its construction was awarded to the NATIONAL CONSTRUCTION AND BUILDING CO., New York City. Henry S. Newton, Warehouse Point, Conn., is Supt. of the H. & S. Co. Capital stock has been increased $200,000. Contracts for ties and poles to be used on the Rockville, Broad Brook & East Windsor line have been awarded to LESLIE SEYMOUR, Windsor Locks; and AMOS D. BRIDGE, of Hartford.

BINGHAMTON, N. Y.—JOHN R. Lee, of Paterson, N. J., has been awarded contract for building the Pittsburg, Binghamton & Eastern R. R. The line has been surveyed. It will run from Binghamton to Tonawanda, N. Y., thence to Canton, Wellsboro and Ansonia, Pa., 143 miles. E. H. Gay & Co., of Boston, Mass., are financial agents.

ROCHESTER, N. Y.—The Rochester & Southern Construction Co. has been incorporated at Albany with a capital of $100,000, all paid in. The company will build the Rochester & Southern Electric Ry. from Elmira to Rochester. The officers of the company are William A. Cullen, of Newark, N. J., Pres.; Thomas Barker, of Rochester, vice-Pres.; T. S. Mulcahy, of Rochester, Secy.; George A. Engert, of New York City, Treas. and Mgr. William A. Sutherland is Attorney. Previously noted.

TICONDEROGA, N. Y.—The P. S. DORLON CO., of Troy, N. Y., has contract for construction of the Ticonderoga Union Terminal R. R., noted last week. The directors named for the first year are: I. Rothschild, Altus B. Adkins, Alexander H. Weed, Frank B. Wickes, Mortimer V. Drake and Walter W. Richards, of Ticonderoga; Frank B. Gridley and Northup R. Holmes, of Troy. The officers are: President, Northup R. Holmes, of Troy; first vice-Pres., Altus B. Adkins; second vice-Pres., I. Rothschild; Treas., W. W. Richards; Secy., Frank T. Locke, Pres. of The Ticonderoga Machine Co.; Auditor, Mortimer V. Drake; Chief Engr., Frank B. Gridley, Asst. City Engr., of Troy.

ALLIANCE, PA.—It is announced that the McGAWLEY CONSTRUCTION CO., of Easton, Pa., has been awarded contract to build the electric railway from Alliance to Nazareth and intermediate points. The company is chartered under title of the Alliance, Bath & Nazareth Traction Co. The directors of the new company are Jay S. Moyer and Alvan N. Brown, of Bethlehem; Thomas H. Seem, of Bangor; Howard Mutchler, John H. Blair and John H. McGrath, of Easton. Mr. Mutchler is Pres. and Gen. Mgr.

ERIE, PA.—H. P. Taylor & Co., of Pittsburg, have made arrangements for underwriting $400,000 of an issue of $1,000,000 of bonds of the Erie, Cambridge, Union and Corry Ry. Co. The contract for the construction of the road is held by the BESSEMER CONSTRUCTION CO., of Pittsburg. The line will be 42 miles long, connecting Erie, Waterford, Le Boeuf, Union City, Elgin and Corry; with branch lines to Millvillage and Cambridge Springs. P. A. Gibson, Erie, is Gen. Mgr.; Axel H. Engstrom, of Philadelphia, is Ch. Engr.

HENDERSONVILLE, N. C.—On August 8 elections will be held in Hendersonville, Blue Ridge, Edneyville, Mills River, Clear Creek and Coopers Creek to vote on propositions to issue bonds for building the Appalachian Interurban R. R. J. W. Woffard, Hendersonville, is Secy. Noted on July 13.

GEORGETOWN, S. C.—The City Traction and Power Co., capital $50,000, has been chartered to build an electric line in this city. The incorporators are: J. B. Steele, E. W. Kaminski, W. W. Taylor, and others.

BILOXI, MISS.—Capt. J. T. Jones, promoter of the Gulf Coast Traction line, will apply for a charter in Alabama, it is reported, for purpose of extending this railway from Biloxi to Mobile, Ala. The line, as is now being built, runs from Gulfport to Biloxi.

JACKSON, TENN.—The Jackson & Suburban Street R. R. Co. will extend its system about this city and also to Bemis. An electric light plant will be erected. J. L. Wisdom is Gen. Mgr. Bonds for $200,000 will be sold to cover the cost of improvements.

MEMPHIS, TENN.—An electric railway between Memphis and Clarksdale, Miss., is being promoted by Thomas Taggart, of Indianapolis, Ind. The line would be about 75 miles long.

LEXINGTON, KY.—The Central Traction Co., a recently chartered company, has awarded the following contracts: Equipment for power house and substation the GENERAL ELECTRIC CO., Schenectady, N. Y.; rails, the CAMBRIA STEEL CO., of Johnstown, Pa. Other contracts will be let at once by R. T. Gunn, Ch. Engr., and Peter Powell, Secy. The incorporators are J. Walter Rodes, Louis des Cognets, Pres. Lexington Ry. Co.; D. F. Frazee and Thomas A. Combs.

The Lexington Southern Railway Co. has been organized to build an electric railway from Lexington to Nicholasville, and also to Camp Nelson and High Bridge. J. Will Stoll is Pres.; Vice-Pres., D. Gray Falconer; Secy. and Treas., Ernest B. Ellis; Richard C. Stoll, William E. McCann, Leonard G. Cox and Rudolph R. Harting.

OBERLIN, O.—M. D. Skeels, Pres. Oberlin & Lorain Ry. Co., Oberlin, advises us that surveys have been commenced and right-of-way partly secured for proposed 15-mile railway. It will extend from Oberlin to Lorain, via South Amherst and North Amherst.

YOUNGSTOWN, O.—Horace T. Smith, of Youngstown, and Robert L. Walker, of Poland, are interested in a company, which has secured a right-of-way for an electric railway from Youngstown to Poland, a distance of about eight miles. It is proposed to connect with the lines of the Pennsylvania & Mahoning Valley Railway, near Youngstown.

MUNICE, IND.—CLIFF WISE, of Lima, O., has contract for building 36 miles of line for the company which will build an electric railway between Muncie and Portland Ind.

FAIRFIELD, IA.—We are advised that committees have been appointed in connection with plan to build an electric railway between Keosaugua and Birmingham, via Fairfield and Mt. Zion, as follows: Survey and route committee: Robert B. Louden, E. Russell Smith, John C. Thorne, Lee T. Gobble, Arthur G. Jordan, of Fairfield; W. S. Manning, H. E. Duckworth and T. L. Workman, of Keosauqua; Hon. W. S. Allen and J. W. Hope, of Birmingham. Committee on financial arrangement: Charles D. Leggett, Charles M. Junkin, Charles W. Wade, A. W. McElhaney, and Frank Light, of Fairfield; W. A. Duckworth, E. L. McCold, and J. P. Starr, of Keosauqua; J. W. Kerr and S. H. Bauman, of Birmingham. Officers are not yet elected. Estimated cost of construction is $200,000. Permanent organization will be effected soon with J. S. McKemey, of Fairfield, as Pres. The line will be 21 miles long.

WEBB CITY, MO.—The Southwest Missouri Electric Ry. Co. will begin extension at once of its line from Webb City northeast. A. H. Rogers is Pres., at Joplin, Mo.

CORSICANA, TEX.—R. E. Prince, of this city, is interested in plan to build an electric line to Fairfield, about 25 miles distant.

SAN MARCOS, TEX. — T. Fisher, promoter of the San Ma... Valley Interurban Railway, announces t... for the construction of the line ... at once. Work will be ... advertised for ... days. The line will ex... the next 90 ... from San Marcos to Luling.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

BANGOR, ME.—We ar... Milford Construction Co. ... of Niagara Falls, Ch... contract with JAMES P... gor, Me., for construct... power house. The plant ... dam about 1,000 ft. long, ... River, at Oldtown, Me. ... head, and a power-house ... HP. generators direct ... wheels. Water power h... point for several years. ... now in use, produced b... canal along the west ban... power produced by the ... transmitted to the city of ... away, where a market ... produced by this plant ... July 13.

WORCESTER, MASS. — STEWART BROS., of Worcester, have been awarded the contract for an addition to the power plant at Worcester Polytechnic Institute. Cost will be about $20,000.

NEW BOSTON, MASS. — F. P. Keith, of Mount Washington, Mass., is engineer for proposed power development on Framington River.

HORSESHOE, N. Y.—We are informed that A. A. Low will build on his estate at Horseshoe a concrete steel dam across Bog River, including power-house and penstocks for generating and transmitting power to his saw and planing mill two miles distant, the dam also will serve as a railroad bridge for his standard-gage logging road. The contract for this work, including about a mile of railroad and the transmission lines, has been awarded to the AMBURSEN HYDRAULIC CONSTRUCTION CO., Boston, Mass.

MOUNT VERNON, N. Y. — Henry Bonnard Bronze Co., 430 West 16th St., New York City is taking bids on equipment for a new power-house to be erected in Mount Vernon.

LAKE PLACID, N. Y.—Date for receiving bids for construction of masonry dam, power station and foundations, one 150-KW., one 100-KW., a. c. generator, one 225-HP. and one 150-HP. water wheel, one 200-HP. steam engine, and all other station equipment, also poles, wires, transformers, etc., has been changed from Aug. 3 to Aug. 14. Bids will also be received for construction of storage reservoir and pipe line. Chas. E. Collins, Engr.; Byron R. Brewster, Village Pres. (Advertised, Engineering News.) Specifications are on file at office of Engineering News, New York.

HARRISBURG, PA.—THE YORK ENGINEERING CO. has contract for erecting a complete power-house at state insane asylum. Cost, about $25,000.

PITTSBURG, PA.—Secretary of War Taft has granted permission to H. P. Dilworth, Charles Arbuckle Jamison and Stuart Robinson to use the water flowing over the Springdale dam in the Allegheny River for power purposes. A power plant, to cost $400,000, will be erected. Electricity for lighting and power throughout the Allegheny valley will be produced. Construction will be undertaken at once.

WASHINGTON, D. C.—Bids are asked until Sept. 30 for material, labor and other appliances for complete heating, lighting and power plant, including machinery, boiler, piping, etc. Elliott Woods, Supt. U. S. Capitol Building and Grounds. (Advertised, Engineering News.)

FORT MYER, VA.—Bids are asked until 10 a. m., Aug. 19, for enlarging gas mains at this post. Capt. B. B. Hyer, Q. M.

KEYSER, W. VA.—The People's Gas Co. has been chartered. Company will produce and deal in gas, electricity, light, heat and power. Capital, $50,000. Incorporators, T. B. Davis, H. G. Burton, W. W. Woods, J. M. Bright and C. W. Silver, all of Keyser.

MORGANTON, N. C.—It is reported that water power development on Green River is under consideration by W. A. Mauney, of Kings Mountain, N. C., and J. M. Torrence, of Morganton. Plans include the erection of electric power plant and cotton mills.

WINSTON-SALEM, N. C.—C. B. Watson, F. H. Fries and associates have organized company to operate power plants.

ROME, GA.—The City Electric Ry. Co. will improve the electric light plant. H. E. Bailey is Ch. Engr. C. N. Fuller is Supt. and Mgr.

BIRMINGHAM, ALA.—The Home Gas Lighting Co. has applied for a charter. Company will manufacture illuminating gas, it is said, by a patent process. John P. Evans is Pres.; George W. Fallin, vice-Pres.; Leonard Fallin, Secy.; and John Woodrow, Treas. Office is at Birmingham.

PONTOTOC, MISS.—Citizens have voted to issue bonds for installation of municipal electric light plant.

NATCHITOCHES, LA.—Town will improve its electric lighting and water-works plant. J. R. Carroll is Supt.

SOMERSET, KY.—Mayor T. R. Griffin and Board of Councilmen will receive bids at 8 p. m., Aug. 14, for franchise and privilege for term of 20 years, of erecting, maintaining and operating an electric light plant. (Advertised, Engineering News.)

GREENUP, KY.—E. E. Fullerton will build an electric light plant here, for which equipment will be required.

URBANA, O.—William Miller, Arch., South Limestone St., Springfield, O., has plans for a $5,000 electric plant to be erected in Urbana.

PLYMOUTH, O.—Bids are asked until August 8 by John T. Bulman, Clk. Bd. Public Affairs, for machinery and equipment for electric and water plants.

NORTH MANCHESTER, IND.—Dr. D. Gunther and associates will soon take bids, it is reported, for construction of an electric light plant here.

OAKDALE, IND.—The Oakdale Light, Heat & Power Co. will erect a heat and power plant. R. H. Banelog, A. N. Dukes, and others are interested.

FORT WAYNE, IND.—George W. Beers, F. V. Culbertson and H. G. Keegan have incorporated the Wayne General Construction Co. to build heating plants. Operations will be begun at Auburn and Fort Wayne.

Bids will be received about August 1 by C. D. Emmons, Gen. Mgr., of the Fort Wayne & Wabash Valley Traction Co., at Fort Wayne, for power-house on Spy Run Ave.

KENDALLVILLE, IND.—Town has voted to raise $20,000 bonus to be paid to Toledo & Chicago Ry. Co., which will build its power-house at this place.

SAGINAW, MICH.—The BARTLETT ILLUMINATING CO. was awarded a 5-year contract to light streets in this city. Municipal ownership of lighting plant will be taken up at election next spring.

ANN ARBOR, MICH.—A 5-year lighting contract has been awarded by the city to the WASHTENAW LIGHT & POWER CO.

ESCANABA, MICH.—Improvements to the municipal lighting plant will be made at cost of about $50,000, for which bonds will be issued. Fred. Wildi is Mgr. and Supt.

WAUKEGAN, ILL.—City clerk will ask for bids for lighting city streets, under a 5-year or 10-year contract. W. S. Bullock is Mayor.

CHICAGO, ILL.—City will advertise for bids for $30,000 heating and lighting plant.

FREEPORT, ILL.—Power-house of the Freeport Ry., Light & Power Co. was damaged recently by fire.

STOUGHTON, WIS.—Bids are asked by John Holton, Chn. Electric Light Com., until 2.30 p. m., Aug. 12, for furnishing electrical apparatus and power equipment. W. G. Kirchoffer, Engr., Madison, Wis. (Advertised, Engineering News.)

CRESTON, IA.—Bids will be received on Aug. 5, until 2 p. m., by the Creston Mutual Electric Light, Heat & Power Co., on boilers, engines, generators, heaters and pumps. Specifications are on file at the company's office. Geo. E. Cornelius is Engr.

TOPEKA, KAN.—The Kansas Natural Gas Co. has been chartered in Kansas. Company will build pipe lines from the gas fields to Topeka, Lawrence and other Kansas towns. It is a Delaware corporation. Its officers are: President, T. N. Barnsdall, Pittsburg, Pa.; first vice-Pres., R. M. Snyder, Kansas City; second vice-Pres., James O'Neill, Webb City, Mo.; Treas., C. S. James, Pittsburg, Pa.; Secy., John S. Scully, Jr., Pittsburg, Pa. The capital stock of the company is $12,000,000.

LINCOLN, NEB.—The ANDERSON ELECTRIC CO., of Anderson, Ind., was awarded contract to install electric lighting plant in public building here, at $3,950.

LUXORA, ARK.—The Luxora Water & Light Co. will build an electric plant. C. B. Wood is pres. Cost, about $4,000.

CLAREMORE, IND. T.—The Claremore Light & Power Co., capital $25,000, has been incorporated by J. M. Bayless, F. A. Neilson, W. W. Bryan, E. S. Beesley, W. F. Hayes, J. F. Davis and C. D. Davis.

INTERBAY, WASH. — The BALLARD ELECTRIC CO., of Ballard, Wash., has been awarded a 10-year contract to furnish light and power at Fort Lawton, Wash.

UKIAH, CAL.—Bids are asked until September 6 for a franchise to maintain certain electric transmission lines along public highways.

ANAHEIM, CAL.—Engineer Clem A. Copeland, of Los Angeles, has submitted a report upon the cost of enlargements and improvements of the municipal water and electric lighting systems to city council. He states that the total cost would be $40,000. Among his recommendations is the erection of a 200,000-gallon steel tank. According to his report, enlargement of the electric system would cost $3,000; the water-works, $5,000; new building, $3,700; new engine, $9,500; tanks, $8,600. The total gross price of the work is found to be $41,500, but $1,500 is allowed for old machinery which would be displaced by the new works.

MOOSE JAW, N. W. T.—Bids are asked by this city, John D. Simpson, Secy.-Treas., until 5 p. m., Aug. 21, for 200-HP. boiler, 370-HP. engine, condenser, feed pump and heater and 225-KW. a. c. generator exciter and switchboard. (Advertised, Engineering News.)

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

CONCORD, ME.—Bids are asked by Somerset County Commissioners until noon, Aug. 21, for material and building superstructure of steel highway bridge over Kennebec River, between Bingham and Concord. Bridge will be 450 ft. or more long. (Advertised, Engineering News.)

DAMARISCOTTA, ME.—Town meeting was held July 22 to consider proposition for erection of one span steel bridge by this town and Newcastle.

BOSTON, MASS.—We are informed that following bids were received July 27 by this city, William Jackson, Cy. Engr., for constructing piers and abutments of Northern Ave. bridge: W. H. ELLIS & CO., 17 Milk St., Boston, Mass., $137,700 (awarded contract); Lawler Bros., 16 City Sq., Charlestown, Mass., $145,630; Holbrook, Cabot & Rollin Corp, 922 Beacon Bldg., Boston, Mass., $155,000; Patrick McGovern, 6 Beacon St., Boston, Mass., $157,000; J. J. Coughlan Construction Co., 19 Worthington St., Boston, Mass., $157,460; Wm. L. Miller, 19 Milk St., Boston, Mass., $172,765; Metropolitan Contracting Co., 95 Milk St., Boston, Mass., $178,000.

BOSTON, MASS.—Bids are asked by Metropolitan Park Commission, 14 Beacon St., until noon Aug. 7 for building Boylston St. bridge and approaches and masonry dam, Charles River Reservation. Work to be done is approximately as follows: 3,300 cu. yds. earth grading, 330 cu. yds. rock grading, 1,000 cu. yds. concrete masonry, 500 cu. yds. stone masonry, 1 reinforced concrete arch, 50 ft. span; 1 plain concrete arch, 14 ft. span; 395 lin. ft. stone coping for parapet walls; 85 lin. ft. stone coping for dam; 330 lin. ft. edgestone; 12 cu. yds. brick masonry; 110 lin. ft. 10-in. pipe drain; 850 sq. yds. broken stone road surfacing; 600 sq. yds. gravel road surfacing; 300 cu. yds. loam surfacing; 550 sq. yds. walk surfacing; special work for sluice gates. John R. Rablin, Engr.

BOSTON, MASS.—Contract for concrete and wooden flooring, roadway paving, curbing and stone coping of Atlantic Ave. bridge has been let to PATRICK McGOVERN, 6 Beacon St., Boston, for $41,400. Bids were received July 27.

HARTFORD, CONN.—Bids were received July 19 by this city for constructing highway bridge at Albany Ave., the contract for the superstructure work being awarded to the BERLIN CONSTRUCTION CO., Berlin, Conn., for $6,490. For the substructure F. B. & W. H. O'Neil, Hartford, were low bidders at $10,790.

NEW HAVEN, CONN.—Bids are asked until 2 p. m., Aug. 11, for constructing a bridge on Kimberly Ave. (Advertised, Engineering News.)

TORRINGTON, CONN.—Contract for new bridge between this town and Harwinton has been awarded to BERLIN CONSTRUCTION CO., Berlin, Conn., for $2,800.

MORAVIA, N. Y.—Village trustees are reported to have awarded contract for constructing Main St. bridge to OWEGO BRIDGE CO., Owego, N. Y., for $7,900.

ITHACA, N. Y.—Council is stated to have rejected all bids received recently for constructing bridges over Six Mile Creek at Van Natta's Mill and at Clinton St.; and has decided to change the specifications and to call for new bids, to be opened about Aug. 16.

TROY, N. Y.—Following bids were received Aug. 1 by this city, John Flynn, Jr., Cy. Engr., for constructing bridge and abutments at Winter St.: Bridge—The United Construction Co., Albany, N. Y., $4,942; Mahoner Mfg. Co., Troy, N. Y., $7,900; Rochester Bridge Const. Co., Rochester, N. Y., $4,780; New Jersey Bridge Co., $5,475; Canton Bridge Co., $6,190; L. F. Schumaker Co., $6,375. Abutments, etc.—A. A. Parker, Waterford, N. Y., $7,875; J. H. Gleason, Troy, N. Y., $10,310; Frank Pidgeon, Saugerties, N. Y., $8,276.

NEW YORK, N. Y.—Bids are asked by Geo. E. Best, Comr. Bridges, for furnishing metal work for anchorages and constructing towers, cables, suspenders and suspended superstructure of the Manhattan bridge over the East River. Mentioned July 27. (Advertised, Engineer News.)

NEW YORK, N. Y.—Specifications, map of locality and profile of line for new bridge to be erected in Porto Rico for the Bureau of Public Works are on file at office of Engineering News, 220 Broadway, New York. Bids are asked by J. J. Jimenez, Supt. Pub. Wks., San Juan, Porto Rico, until Sept. 30, as is stated in our advertising columns.

HACKENSACK, N. J.—County Freeholders are stated to have recalled advertisement calling for bids to be opened Aug. 3, for construction of the Newark Turnpike bridge over the Hackensack River. The action was taken as the freeholders found that they had no authority to issue necessary bonds for the work.

NEW BRUNSWICK, N. J.—Following bids were received July 26 by County Freeholders for construction of two steel spans in county bridge connecting Perth Amboy and South Amboy: F. M. Stillman Co., Jersey City, N. J., $71,000; Penn Bridge Co., Beaver Falls, Pa., $71,000; Dover Boiler Works, Dover, N. J., $63,000; Mt. Vernon Bridge Co., Mt. Vernon, N. Y., $73,000; Berlin Construction Co., New York, $71,800; Sandford & Harris Co., Hoboken, N. J., $66,970.

CHESTER, PA.—We are informed that there has been considerable agitation for the construction of a bridge over Chester Creek at Fifth St., Chester. County Court recently appointed a Jury of View to consider the matter. By December of this year something definite will probably be known as to whether the county will grant the bridge. It would be a bridge of 100 ft. span, 60 ft. wide. James P. Wetherill is interested.

CHAMBERSBURG, PA.—County Commissioners have awarded contract for erection of bridge over east branch of Antietam Creek, in Washington Township, to NELSON & BUCHANAN BRIDGE CO., for $3,249.

DOYLESTOWN, PA.—Jury appointed by County Court have recommended construction of a three arch stone bridge over Swamp Creek in Milford Township.

PITTSBURG, PA.—County Commissioners have awarded following contracts for bridge work: Masonry for bridge over Hartman's Run, JERRY L. POLI, $10.19 a cubic yard; bridge superstructure over the same stream, PITTSBURG BRIDGE & IRON WORKS, $14,995; filling approach to bridge over Douglass Run, C. M. DRIVER, $3,173.

WEST CHESTER, PA.—Following bids were received July 26 by County Commissioners for constructing bridge over Marsh Creek, in Upper Uwchlan Township: Super & Moulder, Coatesville, Pa., $3,143; Thos. O'Niel, West Chester, Pa., $2,825; P. J. McCormick & Son, West Chester, Pa., $2,719. Nathan R. Rambo, County Surv.

CONNELLSVILLE, PA.—It is reported that a large viaduct is to be built to connect the land recently purchased by James B. Hogg, Uniontown, Pa., with Connellsville.

FREDERICK, MD.—County Commissioners have decided to erect three new bridges, one in Catoctin District, over Pine Creek, and two in Liberty District.

BENWOOD, W. VA.—Bellaire, Benwood & Wheeling Bridge Co., through its attorney, John A. Howard, has applied to this city for a franchise for a bridge over the Ohio River at Second St.

HUNTINGTON, W. VA.—Bids are asked by County Commissioners, J. G. Hatfield, until noon Aug. 21 for building a bridge over Guyandotte River, between the towns of Guyandotte and Huntington. Bridge consists of three spans, 100 ft., 220 ft., and 140 ft., and 122 ft. of steel trestle, with necessary substructure.

BEAUFORT, S. C.—The Atlantic & North Carolina Ry. Co., R. P. Foster, Gen. Mgr., Goldsboro, N. C., according to reports, contemplates the construction of a bridge over the Newport River from Morehead to Beaufor. The bridge would cost about $200,000.

NASHVILLE, GA.—Officials of Berrien and Colquitt Counties are considering construction of steel bridge over Little River at the Whitehurst bridge. H. L. Lovitt is Comr. for Berrien County.

BIRMINGHAM, ALA.—County Board of Revenues has awarded contracts for four steel bridges as follows: Five Mile Creek bridge at Brookside, JOLIET BRIDGE CO., Joliet, Ill., $2,187; Five Mile Creek bridge at Warner Mines, Turkey Creek bridge at Pinson, and Valley Creek bridge at Brighton, SOUTHERN BRIDGE CO., $3,430.

YAZOO, MISS.—Contracts will be let Aug. 7 at public outcry by the Board of Supervisors for the construction of a bridge over Swift Bayou, near Como, Miss. S. S. Griffin, Clk.

IRONTON, O.—Plans are reported as nearly completed for the proposed bridge over the Ohio River at this point, which the Cincinnati, Hamilton & Dayton Ry., C. A. Wilson, Ch. Engr., Cincinnati, is to construct. E. Fisher, formerly Engr. Bridges, of Missouri Pacific Ry., has been appointed Ch. Engr. of the bridge, and will have his headquarters at this place.

WAPAKONETA, O.—The Cincinnati, Hamilton & Dayton Ry. Co. will build a bridge over the Auglaize River at this point. J. W. Anderson is Supt. Bridges, Chillicothe, O.

AKRON, O.—Plans have been prepared by G. J. Londor, of Canton, O., and City Engineer J. W. Payne, of Akron, for Exchange St. viaduct.

CHILLICOTHE, O.—Bids will soon be asked by County Commissioners for repairs to present structure at Bainbridge, and for building two steel bridges, each 200 ft. long, one at Vigo and one at Austin. B. H. Walker is County Surv.

SPRINGFIELD, O.—Bonds will be advertised for sale for the Water St. bridge. Bids were advertised for construction of this bridge in Engineering News July 27.

EATON, O.—Contracts were awarded for proposed 150-ft. steel and concrete bridge over Seven-Mile Creek, as follows: To the INDIANA BRIDGE CO., of Muncie, Ind., for superstructure; CROUSE, YOUNG & SON, of Eaton, abutments; QUINN & CO., Eaton, cement. Cost, $10,000.

NEW ALBANY, IND.—It is stated that the County Commissioners will receive bids until Aug. 7 for building two stone abutments and an iron bridge over Little Indian Creek at Wheeler's Ford, in Lafayette Township; also for abutments and bridge to be built in Georgetown Township.

BROWNSTOWN, IND.—H. W. Wacker, County Audr., will receive bids until Aug. 8 for construction of 13 bridges.

TIPTON, IND.—Bids will be received by T. W. Longfellow, County Audr., until 2.30 p. m., Aug. 7, for constructing a 36-ft. span concrete or steel bridge with 14-ft. roadway.

LOGANSPORT, IND.—Fulton County Commissioners have awarded contract to the ROCHESTER BRIDGE CO. for building eight bridges.

HOUGHTON, MICH.—PRENDERGAST & CLARKSON, of Chicago, have been awarded contract to build foundation piers for new county bridge. C. W. Sanders, of Houghton, is Engr.-in-Charge.

DETROIT, MICH.—We are informed that JENKS & DRESSER, of Port Huron, Mich., were awarded contract for building substructure and superstructure of bridge to be erected in Springwells Township for $2,467. Wm. Unruh, Twp. Clk.

LOWELL, MICH.—Council of Lowell has awarded contract to the OWOSSO BRIDGE CO. for building three bridges over Flat River on Main St. Bridges are to be of steel and cement. Cost is $13,860.

WHITEHALL, MICH.—We are informed that contract for constructing steel bridge here, bids for which were received July 24, has been let to SKOBIS BROS. STRUCTURAL STEEL & BRIDGE WORKS, Milwaukee, Wis., for $3,520. J. Vernon Nickless is Village Clk.

ANTIGO, WIS. — THE CONTINENTAL BRIDGE CO., of Chicago, was awarded contract, at $4,199, for three bridges over Spring Brook.

BLOOMER, WIS.—The Minneapolis Bridge & Iron Co., of Minneapolis, Minn., has been commissioned to prepare plans for a steel bridge over Duncan Creek.

SIOUX CITY, IA.—Contract for a double track viaduct with concrete piles and abutments for the Sioux City Traction Co., and the Sioux City Stock Yards Co., is stated to have been let to FOUNDATION CO., 55 Nassau St., New York.

HUNTLEY, MONT.—At recent election it was voted to build a $40,000 bridge.

JUNCTION, MONT.—City has voted to build a bridge at cost of $35,000.

KANSAS CITY, MO.—The Chicago, Rock Island & Pacific has under consideration the question of building a steel bridge over the Kaw River at Kansas Ave. in Armourdale, plans for which have been approved by the War Department.

STOCKTON, MO.—Bids are asked until Aug. 11 for building three steel bridges in Cedar County. F. M. Hackleman, Bridge Comr.

MARLIN, TEX.—County has voted to build two iron bridges across the Brazos River.

DENVER, COLO.—Bids are asked until Aug. 5, noon, by T. W. Joycox, State Engr., for the construction of a pile-trestle bridge across the Arkansas River at Morse Siding, six miles east of Lamar, Prowers County, Colo.; 720 ft. long.

STEVENSON, WASH.—Commissioners of Skamania County will receive bids until Aug. 10 for the construction of a 100-ft. span Howe truss bridge across Wind River. A. Fleischauer is Clk.

SPOKANE, WASH.—The Board of Public Works has awarded the contract for the Havermale island bridge to JOE ZIRNGIBL, of Spokane, for $16,339.

WEAVERVILLE, CAL.—Bids are asked until August 7, 10 a. m., for construction of a wagon bridge across north fork of Trinity River. Noted last week. R. L. Carter is County Clk.

SAN FRANCISCO, CAL.—The Board of Works has been authorized by the Supervisors to expend $12,000 on building the approach to the new Third St. bridge, crossing Channel St.

MADERA, CAL.—THE PACIFIC CONSTRUCTION CO., of San Francisco, has been awarded the contract for erecting the Jenny Lind bridge across the San Joaquin River, at $49,593.

STOCKTON, CAL.—The Supervisors of Stanislaus and San Joaquin Counties at recent session in this city decided to erect a concrete span bridge over the Stanislaus River near Ripon. County Surveyor A. L. Finney, of Stanislaus, and Deputy County Surveyor J. P. Spooner, Jr., of San Joaquin, were instructed to prepare plans and specifications at once for a reinforced concrete bridge of two arches and two spans of 100 ft. each. As soon as plans are prepared bids will be invited.

POLLASKY, CAL.—We are informed that the PACIFIC CONSTRUCTION CO., of San Francisco, was awarded contract for concrete bridge over San Joaquin River, at $49,583.

NAPA, CAL.—Bids will be received by the Supervisors until 10 a. m., Aug. 15, for the construction of a masonry bridge across creek on main county road leading from St. Helena to Calistoga. N. W. Collins is County Clk.

GLENBURN, CAL.—Bids are asked until Aug. 7, 10 a. m., for a 320-ft. bridge over Fall River.

FREDERICTON, N. B.—Highway bridge at this city was destroyed recently. Estimated that it will cost $10,000 to replace it.

ALVISTON, ONT.—Bids are being asked by R. S. Code, County Engr., for putting up a steel bridge over Sydenham.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

CONCORD, N. H.—Legislature recently made appropriations for the following work: $200,000 for new buildings for the state hospital; $30,000 for the industrial school; $25,000 for the Agricultural College; $12,000 for the Normal school; $16,000 for the School for Feeble Minded. Coos County voted to build a $50,000 court-house at Berlin; and Merrimack County appropriated $35,000 for remodeling the court-house in this city.

PORTSMOUTH, N. H.—Bids are asked until 11 a. m., August 19, for constructing a fireproof building, and installing elevator, electric lighting, plumbing, hot-water heating and cell-work at Naval prison, Navy Yard. Mordecai T. Endicott, Ch. Bureau Yards and Docks, Washington, D. C. Specifications for this work are on file at office of Engineering News, New York. Noted last week.

CAMBRIDGE, MASS.—The Harvard Dental School has purchased a site containing 22,000 sq. ft. of land at Longwood Ave. and Wigglesworth St., upon which to erect a new building.

SALEM, MASS.—Plans will be advertised for by Wallace Bates, Chn. Commissioners Board, Essex County, for a new building, to cost about $100,000.

NEW YORK, N. Y.—Bids are asked until Aug. 10 by Department Parks for construction of steam heating and ventilating apparatus; repairs to piping and valves; installing new lead-lined pipe and valves, etc., at the Aquarium Building, in Battery Park. John J. Pallas, Pres. Bd.

NEW YORK, N. Y.—Bids are asked until Aug. 14 by Board Education for the general construction, etc., of several schools, etc., in Borough Manhattan. C. B. J. Snyder, Supt. School Bldgs.

NEW YORK, N. Y.—WAKEHAM & MILLER, 1135 Broadway, general contractor for church to be erected at Mt. Morris Park and 122d St., for the Harlem Presbyterian Church, of which Thos. H. Poole is Arch., 13 West 30th St., desires figures on all subcontracts. Brick and stone, fireproof, 1 story, 100 × 100 ft. Cost, $100,000.

C. Caviniato, 66 West Third St., who is the general contractor for a $150,000 loft building in course of erection at West Broadway and Third St., desires figures on switchboards, electric wiring, motors and elevators. Brick, stone, terra cotta, fireproof, 12 stories, 25 × 100 ft.

Jackson & Rosencrans, Archs., 31 Union Sq., will take figures on a hotel to be erected at 161-63 West 47th St., for H. M. Sweetland. Brick and stone, fireproof, 9 stories, 40 × 100 ft.

The Brunswick Construction Co., care of H. E. Howland, Pres., 35 Wall St., contemplates the erection of a hotel or office building at Fifth Ave. and 26th St. Architect has not been selected, but sketches have been prepared for a building 18 stories, 180 × 210 ft.

Bernstein & Bernstein, Archs., 24 East 23d St., have plans in progress for an educational building to be erected at 132-42 East 111th St., for the Uptown Educational Alliance, D. Cohen, Pres., 171 Broadway. Brick and terra cotta, 4 stories, 95 × 95 ft. Cost, $100,000.

S. B. Eisendrath, Arch., 41 West 24th St., has plans in progress for a loft building to be erected at 523-29 Eighth Ave., for H. Gireshofer. Brick and stone, 6 stories, 75 × 80 × 105 ft. Cost, $100,000.

J. R. Moore, Elec. Engr., 156 Fifth Ave., is taking bids on electric wiring and switchboards for the new residence to be erected at 5 West 52d St., for Louise Clark Nohlman, 52 West 52d St.

A. R. WHITNEY, JR., 135 Broadway, was awarded general contract for erecting the Home Club building at 11-15 East 45th St. Gordon, Tracy & Swartout, 244 Fifth Ave., Archs. Brick and stone, 9 stories, 75 × 80 ft. Cost, $350,000.

The Wyoming Apartment Co., care of C. E. Potter, 1135 Broadway, is taking figures on electric wiring and steam heating for the $900,000 apartment house to be erected at 55th St. and Seventh Ave. Rouse & Sloan, Archs., 11 East 43d St.; R. E. Moss, Struct. Engr., 12 Elm St., and J. B. Holbrook, Steam Engr., 25 Broad St. Brick and stone, fireproof, 12 stories, 125 × 150 ft. Mason work has been awarded to J. McKEEFREY, 289 Fourth Ave. It is likely that an isolated plant will be installed, consisting of boilers, engines, generators, elevators, motors, pumps and blowers.

ITHACA, N. Y.—Bids are asked by E. L. Williams, Treas., Cornell University, until noon Aug. 21 for boilers, heating, plumbing and gas piping, electric lighting, wiring and fixtures for New York State College of Agricure at Cornell University. (Advertised, Engineering News.)

NEW YORK, N. Y.—Plans have been filed by H. Anderson, Arch., 1183 Broadway, for a 6-story brick flat, 100 × 57 ft., on 110th St., for J. Oussani, 137 West 110th St. Cost, $85,000.

By O. Lewinson, Arch., 20 East 42d St., for three 5-story brick flats, 45 × 96 ft., at Amsterdam Ave. and 163d St., for Middleboro Realty Co., 20 East 12th St. Cost, $150,000.

By Neville & Bagge, Archs., 217 West 125th St., for a 6-story brick flat, 49 × 90 ft., at Broadway and 142d St., for Knight & Dongan Construction Co., at Broadway and 139th St. Cost, $110,000.

ALBANY, N. Y.—Bids are asked until noon, August 7, for armory improvements. Maj. F. A. McNeely, Secy. State Board of Armory Commissioners.

NEW YORK, N. Y.—Bids will be received by J. B. McElfatrick & Son, 1402 Broadway, for the Arcade, Theater, to be built at 65th St. and Broadway. The Empire Realty Co., 1947 Broadway, is owner. Estimated cost is $160,000.

Neville & Bagge, Archs., 217 West 125th St., have plans in progress for an apartment house, at 125th St. and Claremont Ave., for J. V. Signell, 302 Cortlandt Park West. Building will be 6 stories high, of brick, stone and terra cotta; 80 × 100 ft. Estimated cost, $200,000.

The Farmers' Loan & Trust Co. will erect a new bank building at 475 Fifth Ave. Architect has not been appointed. E. S. Marston, 52 William St., is Pres.

Ogden Codman, Jr., Arch., 551 Fifth Ave., is taking figures on a residence, to cost about $300,000, which will be erected at 51st St. and 5th Ave., for E. Rollins Morse, of 100 Broadway. Equipment will be required.

Trowbridge & Livingston, Archs., 524 Fifth Ave., have plans under way for a $100,000 residence to be erected for A. D. Juilliard, of 16 West 57th St.

NEW YORK, N. Y.—A railroad station, for use of immigrants, will be built at western end of Ellis Island. Estimated cost, $200,000. The railroads interested in the project are the Central R. R. of New Jersey, the Pennsylvania, the Delaware, Lackawanna & Western, the New York, Ontario & Western and the West Shore.

BUFFALO, N. Y.—Contract for Chamber of Commerce building has been let to METZ BROS., of Buffalo, at $200,000.

UTICA, N. Y.—CONNERS BROS., of Boston, Mass., have been awarded contract for Oneida County Court-house.

JERSEY CITY, N. J.—Governor Edward C. Stokes has signed bill appropriating $200,000 for Hudson County almshouse, at Snake Hill. C. F. Long, 76 Montgomery St., is Arch.

HASBROUCK HEIGHTS, N. J.—Marsh & Gette, Archs., 97 Nassau St., New York, are working on the plans for new high school to be erected here, to cost $100,000.

MONTCLAIR, N. J.—Grosvenor Atterbury, Arch., 20 West 43d St., New York, is taking figures on a residence to be erected at Montclair for Solomon Wright, Jr., 75 Franklin St., New York. Brick, 2½ stories, 56 × 82 ft. Cost, $100,000.

PERTH AMBOY, N. J.—J. S. Pigot, Arch., 188 Market St., Newark, is taking figures on a residence to be erected at Perth Amboy for A. A. Quigrees, 233 Mt. Prospect Ave., Newark. Stone and wood, 2½ stories, 75 × 50 ft.

NEWARK, N. J.—F. G. Agens, 13 Beaver St., Newark, will receive bids on boilers, engines, generators, switchboards, etc., for office building to be erected at 645-651 Broad St. J. CONNELLY, of Newark, is general contractor. Lewis H. Broome, 15 Exchange Place, Jersey City, is Arch.

TRENTON, N. J.—JAMES W. LANNING, 314 North Broad St., Trenton, was awarded contract for building an addition to state hospital for the insane here, at $227,850.

PITTSBURG, PA.—MacClure & Spahr, Keystone Bldg., are architects for a club house for the University Club. Est. cost, $100,000. Address D. H. Wallace, Germania Savings Bank Bldg.

BETHLEHEM, PA.—B. H. BIRKEL has been awarded contract for erection of 65 houses, 2½ stories high, for the Bethlehem Steel Co.

HARRISBURG, PA.—Wm. H. Cookman, Arch., Broad St. Station, Philadelphia, is preparing revised plans for an eight-story office building.

WILKESBARRE, PA. — McCormick & French, Archs., are preparing plans for a hotel at 79-85 East Market St., for John A. Redington. Cost, $100,000.

PITTSBURG, PA.—W. A. Thomas, Arch., Park Bldg., Pittsburg, is preparing plans for 12 three-story apartment houses. Est. cost, $150,000.

PHILADELPHIA, PA.—Union League Club will erect a 7-story addition to its present club house at cost of $500,000. Competitive plans will be prepared by Joseph M. Huston, William Bleddyn Powell, Price & McLenahan, Roberts, Frank & Co., Edgar V. Seeler, C. E. Schermerhorn, Horace Trumbauer, Watson & Huckel, James H. Windrim, Cope & Stewardson, John Du Fais, Furness, Evans & Co., and Rankin, Kellogg & Crane.

DELAWARE CITY, DEL.—Bids are asked until Aug. 28 for constructing, plumbing, heating and electric wiring one frame barrack and one brick quartermaster and subsistence storehouse at Fort Dupont, Del. Capt. Louis F. Garrard, Jr., Q. M. (Advertised, Engineering News.)

BALTIMORE, MD.—Paca & Newbold, Equitable Bldg., have purchased land on Hoffman St. and Fait Ave., upon which to erect 49 two-story dwellings. Cost, $70,000.

WHEELING, W. VA.—It is rumored that the Baltimore & Ohio R. R. Co. will build a new depot here, to cost about $300,000. D. D. Carothers is Ch. Engr., Baltimore, Md.

COLUMBIA, S. C.—We are informed that Edwards & Walters, of Columbia, have been elected architects for new $60,000 court-house. It will be built of brick, stone and steel. Plans are not yet prepared. Building will be constructed early in 1906.

SPARTANSBURG, S. C.—Bids were opened July 26 at office of Supervising Architect, Washington, D. C., for construction of post-office at this place, three lowest bidders being as follows: Mankin Construction Co., Richmond, Va., $44,989; Fissell & Wagner, New York, $47,600; R. T. Wardrep & Son, Knoxville, Tenn., $48,776.

JACKSONVILLE, FLA.—The Catholic congregation will erect a new church at a cost of $75,000. Father Maher can give information.

VICKSBURG, MISS.—F. J. McGRAW, of Jackson, Miss., was awarded contract for 8-story building for First National Bank. Cost, $180,365.

MERIDIAN, MISS.—It is reported that the Mississippi Masonic home for widows and orphans will be erected here, at a cost of approximately $75,000.

MEMPHIS, TENN.—R. E. McGill, of this city, and associates, will build an office building, 8 stories high, at Second St. and Jefferson St. Cost about $200,000.

CINCINNATI, O.—O. H. HARIG & CO., 827 Livingston St., were awarded the general contract, at $745,000, for the Sinton Hotel, to be erected by the Cincinnati Realty Co. Frank M. Andrews, Dayton, O., is architect.

CLEVELAND, O.—W. W. Perrin, of the Reserve Trust Co., is interested in project to build a $50,000 building at Woodland and Willson Aves.

MUNCIE, IND.—Bids were received July 25 at office of Supervising Architect, Washington, D. C., for construction of post-office at this place, three lowest bidders being as follows: Morrow & Morrow, Muncie, Ind., $45,457; E. W. Reid & Co., Flint, Mich., $51,460; W. J. McAlpine, Dixon, Ill, $52,800.

BLOOMINGTON, IND.—Bids are asked until August 16 for a library building at University of Indiana. This is an extension of time for receiving bids. Patton & Miller, 140 Dearborn St., Chicago, are Archs. Estimated cost, $100,000.

ANN ARBOR, MICH.—As previously reported, the alumni of the University of Michigan has received subscriptions amounting to $100,000 for the erection of a memorial hall. James B. Angell, L. L. D., Pres. of the University, will appoint a committee to select an architect and arrange for plans, etc. E. W. Pendelton, 900-901 Union Trust Bldg., Detroit, represents the alumni.

CHICAGO, ILL.—The "News" states that a new terminal station, to cost about $2,000,000, and to cover the land extending from Clark St., on the west side of State St., and from Polk St. south to Taylor, is to be constructed by the Chicago and Western Indiana R. R., the Wabash, the Atchison, Topeka & San Fe, the Erie, the Grand Trunk and the Chicago, Indianapolis & Louisville Railways.

MACOMB, ILL.—Trustees of Western Illinois State Normal school have awarded contract for new building to the TRI-CITY CONSTRUCTION CO., of Galesburg, Ill., at about $110,000.

CHICAGO, ILL.—D. H. Burnham & Co., Archs., Railway Exchange Bldg., will prepare plans for a hotel and amusement resort on the lake front between 68th and 71st Sts., at estimated cost of $1,500,000. J. K. Sebree, of the Saratoga Hotel, 163 Dearborn St., David Mayer and A. Follansbee, 199 LaSalle St., are interested in the proposition.

SIOUX CITY, IA.—The contract was let to J. J. KEEFE for the erection of a new hotel at Third and Nebraska Sts. It will cost $100,000.

MANHATTAN, KAN.—J. C. Holland & Squires, 734 Kansas Ave., Topeka, Archs., are preparing plans for a court-house, to be erected at Manhattan for Riley County. Bids will be taken about Oct. 1.

NORTH PLATTE, NEB.—Bids are asked by Geo. M. Graham, Secy. Temple Craft, until 8 p. m., Aug. 14, for the erection of a Masonic temple at Fifth and Dewey Sts. R. W. Grant is Arch., Beatrice, Neb.

CALDWELL, IDAHO.—Bids are asked until 10 a. m., August 21, for erecting court-house for Canyon County. John A. Tucker, Chn. Bd. County Comrs.

OMAHA, NEB.—Bids will be received September 10 for the Webster-Sunderland building at 16th and Howard Sts., which is to be six stories and basement in height, 132 × 132 ft., built of vitrified brick. The cost will be about $200,000.

HENRY F. HAMANN, of Omaha, has been awarded the general contract, and the AMERICAN BRIDGE CO., of Kansas City, Mo., the structural iron contract, for the new Mercer building at 11th and Howard Sts. Total cost, about $80,000. The building will be 132 × 132 ft., of which the east half will be four stories in height, and the west half will be five stories.

C. W. PARTRIDGE, of Omaha, has the contract for building the extension to the Wright block at 16th and Chicago Sts.

GRIFFIN & CHAPIN, of Omaha, have the contract for the five-story and basement auditorium, music house and piano factory building by Schmoller & Mueller, at 1311-13 Farnam St. It is to be 44 × 132 ft.

LINCOLN, NEB.—Bids are asked until August 24, 3 p. m., for steam-heating and ventilating apparatus, etc., complete in place, for court-house and post-office building. James Knox Taylor, Supervising Arch., Treasury Dept., Washington, D. C.

FARGO, N. DAK.—Following bids were received July 24, at office of Supervising Architect, Washington, D. C., for the construction of the post-office and court-house extension at Fargo: Lauritzen Bros., Fergus Falls, Minn., $54,990; J. W. Miller, St. Paul, Minn., $70,683; H. M. Leighton Co., Minneapolis, Minn., $71,573.

KANSAS CITY, MO.—Bids will be received about August 15 by F. C. Gunn, Grand Office Bldg., for erection of four hospital buildings for the city. Est. cost, $250,000.

MANGUM, OKLA.—LEE & CAMPBELL, of Oklahoma City, have been awarded contract, at $95,400, for court-house at this place.

SEATTLE, WASH.—Bids are asked until 11 a. m., Aug. 24, for construction, plumbing, heating and electric wiring of five public buildings at Fort William H. Seward, Alaska. Bids will also be opened at the same time by the quartermaster at Fort William H. Seward, Alaska. Capt. F. A. Grant, Q. M., U. S. A.

OCEAN PARK, CAL.—The Hotel Vendome Co. will be incorporated to build a 4-story structure with a frontage on the ocean of 213 ft., between Marine and Navy Sts. It will cost $150,000. Among the incorporators are G. R. Bentel, J. W. Evans and H. D. Patton.

MONTREAL, QUE.—H. J. Hardenbergh, 1 West 34th St., and Bradford Lee Gilbert, 50 Broadway, New York City, and Hutchinson & Wood, Montreal, are jointly preparing the plans for the Windsor Hotel, at Montreal. Cost, $1,500,000. Plans and specifications will be completed by about September 1.

REGINA, N. W. T.—Competitive plans are invited by J. Kelso Hunter, Secy.-Treas., until Sept. 1, for a $60,000 city hall.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

FRANKLIN, N. H.—Specifications for the construction of a concrete covered reservoir for this place may be obtained at office of Engineering News, 220 Broadway, New York. Bids for this work, as well as for laying about 1,000 ft. of 12-in. and 3,000 ft. of 8-in. pipe, are asked by the Water Board, F. N. Parsons, Secy., until noon, Aug. 9, as is stated in our advertising columns.

HARDWICK, VT.—Contract for making additions to village water system, including laying pipe, building reservoirs, etc., has been let to W. S. TEACHOUT, Essex Junction, Vt.

VERGENNES, VT.—We are advised that special water committee appointed by Mayor to investigate best means for new water supply have not yet made their report. An engineer has been employed by the committee, and a city meeting to take action on the report will be called soon. H. Louis Miner is Water Comr.

PEABODY, MASS.—Committee on additional water supply on July 24 awarded final contract for the Suntaug L... connection to ROWE & PERINI, South ...ingham, Mass., for $24,988. Contract ...for building a conduit 1,550 ft. long ... ins. in diameter.

ATTLEBORO, MASS.—Town ... Commissioners will receive pro... until Oct. 12 for disposing of standp... in use. A structure of larger capacity ... be erected. George H. Snell, Supt. W...

LENOX, MASS.—Lenox Water ... is stated to have awarded contract for ... tion of supplementary dam in Richm... 50 ft. long and 8 ft. high to WM. B. ...

LAWRENCE, MASS.—We ... informed that there is no doubt but that ... will shortly vote to proceed with the construction of the new covered slow sand filter and provide for an additional water supply.

UXBRIDGE, MASS.—Bids ... by Town Water Committee. Gideon Aldrich, Clk., until noon, Aug. 13, for ... laying pipe, hydrants, gate ... building concrete covered reservoir, etc., and furnishing two pumps with motors for operating them. F. L. Fuller, Engr., Boston, Mass. Plans can be seen and specifications and bidding sheets obtained at office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

TROY, N. Y.—Board Contract ... Supply is reported to be calling for bids to be opened Aug. 8 for construction of permanent pipe line through Tomhannock dam, with necessary valves and gates. Philip Cassidy, Comr. Pub. Wks.

BUFFALO, N. Y.—F. G. Ward, Comr. Pub. Wks., has awarded contracts for improving pumping station in Massachusetts Ave. (bids opened July 14) as follows: B. I. CROOKER, masonry, etc., $118,940; MACHWIRTH BROS. CO., roofing, etc., $24,553; KELLOGG IRON WORKS, iron and steel work, etc., $39,840; MAX L. KURCHOFF, JR., painting, etc., $2,600; C. A. CRIQUI, plumbing, etc., $7,279.

SALAMANCA, N. Y.—We are informed that the village has about completed purchase of plant of Salamanca Water Co.; possession will not be given until Jan. 1, 1906. C. O. Buckmaster is Village Clk.

SYRACUSE, N. Y.—Board Contract and Supply has awarded a contract for furnishing water pipe and castings for Bureau of Water to GEO. G. HANCHETT. Following bids were received July 24 by that board for furnishing 146 tons 4-in. to 12-in. water pipe and seven tons special castings. Charles Millar Son & Co., $4,270; Chas. G. Hanchett, $4,248.

LAKE PLACID, N. Y.—See under Light and Power Plants.

NEW YORK, N. Y.—Contract for constructing Massapequa pumping station at Massapequa, L. I., bids for doing which were opened July 19 by Department Water Supply, Gas and Electricity, has been awarded to M. J. DADY, 350 Fulton St., Brooklyn, N. Y., for $327,850.

NEWARK, N. J.—Bids will be received until 3 p. m. Aug. 4 by Conrad Hoerl and Amos B. Pierce, Special Com., at 196 Market St., Newark, for sinking a well or wells on the property of the county hospital at Overbrook to supply at least 200,000 gallons of water each 24 hours.

ALTOONA, PA.—We are informed that a vote will have to be taken in November before action can be taken toward calling for bids for proposed extensions of city waterworks. Pipe, valves and special castings will be required, but no pumping machinery will be used. Est. cost of work is $384,000, and C. W. Knight, Rome, N. Y., is Des. Engr. S. A. Galley is Supt. W.-W.

CHAMOKIN, PA.—Roaring Creek Water Co., according to advices from Ashland, proposes to expend about $200,000 in doubling its pipe lines. About 10 miles of 18-in. pipe will be laid, according to the report.

OXFORD, PA.—Bids are asked by D. H. Menough, Chn. Boro. Council, until Aug. 8, for installation of steel standpipe, boiler, brick and concrete foundations, pumping station, complete pumping apparatus (steam or gas) and laying 12-in. mains. York Engineering Co., Engrs., York, Pa.

PITTSBURG, PA.—Contract for construction of water main to buildings of Carnegie Technical Institute has been let to M. O'HERRON & CO., for about $3,000.

JOHNSTON, PA.—It is reported that the Manufacturers Water Co., a branch of the Cambria Steel Company, controlling the plants that furnish water to the extensive manufacturing establishments of the Cambria Co., was to begin work Aug. 1 on the construction of the Quemahoning reservoir. The reservoir, which will be a storage basin holding 4,000,000,000 gallons of water, will be of solid masonry, and will cost about $1,000,000.

UNION CITY, PA.—Bids are asked by Thos. Mulvin, Boro. Secy., until 8 p. m., Aug. 14 for furnishing labor and material for laying water mains. (Advertised, Engineering News.)

PETERSBURG, VA.—Council has awarded contract for laying about two miles of water mains to PERKINSON & FINN.

NEWTON, N. C.—We are advised that the Inter-State Water-Works & Construction Co., Washington, D. C., has been granted a franchise for construction of water-works at this place.

FORT GAINES, GA.—City has granted franchise for construction of water-works and electric light plant to the Interstate Water-Works & Construction Co., Washington, D. C.

FORT GAINES, GA.—We are informed that a franchise for the construction of a water-works and electric lighting plant at this place has been granted to the Inter-State Water-Works & Construction Co., Eugene E. Gaddis, Secy., 928 F St., N. W., Washington, D. C.

GRENADA, MISS.—We are informed that proposed extensions of city water-works will require an outside packed pump, 150-HP. marine boiler, 100-HP. automatic compound engine, 60-KW. d. c. alternator. C. B. Bolton is Des. Engr. and official in charge.

SOMERSET, KY.—Mayor T. R. Griffin and Board of Councilmen will receive bids at 8.30 p. m. Aug. 14 for franchise and privilege for term of 20 years, of erecting, maintaining and operating a system of water-works. (Advertised, Engineering News.)

BUCYRUS, O.—Bucyrus Development Co. is stated to have awarded contract for a filter plant of 1,000,000 gallons capacity per day to the JACKSON FILTER CO.

LANCASTER, O.—Board Public Service awarded contract for extension of city water mains to South Lancaster and Rosebank Addition to JOSEPH L. WORK, Lancaster. The extensions consist of 6,673 ft. of 6-in. pipe and 1,240 ft. of 4-in. pipe, besides the necessary hydrants, valves, etc.

NEW LONDON, O.—We are informed that this village contemplates granting franchise for water-works to private corporation. Ralph J. Smith is Mayor.

COLUMBUS, O.—Bids are asked by Board Public Service, Chas. H. Frank, Secy., until noon, Sept. 14, for furnishing and erecting machinery and equipment for the Scioto River Pumping Station. Julian Griggs, Ch. Engr., Bd. Pub. Service.; Herring & Fuller, Consult. Engrs., 170 Broadway, New York. (Advertised, Engineering News.)

NEW CASTLE, IND.—We are informed that New Castle Water & Electric Light Co., E. M. Carr, Supt., has plans and will commence work soon on a 500,000-gallon concrete reservoir. E. M. Carr is Des. Engr. and official in charge.

MUNCIE, IND.—This city invites proposals for constructing water-works, and has offered a franchise, including a contract for furnishing water, to such parties as may wish to construct works, or the city offers to give a franchise and contract to parties who will purchase and operate present plant now in operation in the city. R. G. Hickok, Cy. Clk.

SHAWNEETOWN, ILL.—Franchise for water-works here has been granted to A. M. Searles, Chicago, Ill. It is stated that he will secure the old electric light franchise and operate the plants together.

WHITE HALL, ILL.—Bids are asked by J. H. Piper, Cy. Clk., until Aug. 18 for laying water mains and appurtenances in several streets. F. M. Baldwin, Mayor.

FREEBURG, ILL.—Contract for building water-works in this place is stated to have been let to C. A. STOOKEY, Belleville, Ill.

BLOOMINGTON, ILL.—Bids are asked by Board Local Improvements, James S. Neville, Pres., until 2 p. m., Aug. 4, for labor and material for construction of a 10,000,000 gallon capacity reservoir at city water-works.

MOUNT VERNON, ILL.—Bids are asked at office of engineers, 1207 Hartford Bldg., Chicago, Ill., until 3 p. m., Aug. 15 for construction of reservoir embankment and appurtenances for the Citizens Gas, Electric & Heating Co., H. R. Kingman, Secy. and Treas.; John W. Alvord and Chas. B. Burdick, Engrs. (Advertised, Engineering News.)

PEORIA, ILL.—Peoria Water Co., according to reports, contemplates laying new mains in various streets.

WAUKESHA, WIS.—We are advised that Common Council was to decidle Aug. 1 on matter of submitting question of municipal water-works to the people. A franchise may be granted to present company or its plant may be purchased. Est. cost of new plant is $185,000. William Powrie, Waukesha, is Engr.

OCONOMOWOC, WIS.—Bids are asked by H. J. Eilert, Cy. Clk., until 4 p. m., Aug. 7, for laying mains in several streets.

STROMSBURG, NEB.—We are informed $9,000 of bonds have been voted by this city for a new standpipe and to pay for extensions already made. Contracts for standpipe were to be let soon. John Erickson is Mayor.

HAVRE, MONT.—Contract for constructing water-works for this city has been let to FULLER & BOSSOUT, Havre, for $42,413. Bids were received July 18 and are given under Contract Prices in this issue.

SAVANNAH, MO.—We are informed that this city has employed Burns & McDonnell, Engrs., Kansas City, Mo., to prepare preliminary plans, maps, etc., for new city waterworks. Supply may be obtained from deep wells or the river. I. R. Williams is Mayor.

JACKSON, MO.—We are informed that plans and specifications for new municipal water-works will be on file with Cy. Clk., Aug. 1, and the work will then be advertised. Hiram Phillips, 115 Frisco Bldg., St. Louis, Mo., is Des. Engr. Edw. V. Hays is Mayor.

BOONVILLE, MO.—We are informed that bids were received July 25 for labor and material for improvement and extension of city water-works, contracts being let as follows: Tower and tank, CHICAGO BRIDGE IRON WORKS; filtration plant, JACKSON FILTER MFG. CO.; all other work to W. F. HALL, Clinton, Mo. Chas. G. Miller, Cy. Clk.

GRAVETTE, ARK.—We are informed that water-works are under consideration. Nothing definite has been done as yet. H. P. Lewis is Cy. Clk.

VICTORIA, TEX.—Bids are asked by Ike Cohen, Cy. Secy., until Aug. 14 for sinking 8-in. artesian well.

PARIS, TEX.—Bids are asked by City Secretary until Aug. 7 for furnishing material and constructing new intake pipe line. Hugh M. Price, Cy. Engr.

DENVER, COLO.—Plans and specifications are on file at office of Engineering News, 220 Broadway, New York, for the construction of the Pathfinder Dam, bids for doing which are asked by the U. S. Reclamation Service, until Aug. 16, as is stated in our advertising columns.

PENDLETON, ORE.—Local reports state that actual work is to commence on the construction of the Furnish ditch for the Inland Irrigation Co. Contract for excavating has been let to NEWPORT & CO. Water will be taken from the Umatilla above Echo and will be carried nearly ten miles before it is used. W. J. Furnish is at head of project.

PHOENIX, ARIZ.—We are informed that the city has rejected bids for its bonds, and has again offered $300,000 in 5% bonds for sale. City will construct an entirely new water system, with supply from wells. Roy Goodrich, Cy. Atty., may be addressed concerning the bond sale; concerning the engineering work, O. A. Turney, Deputy Cy. Engr., may be addressed.

SALT LAKE CITY, UTAH.—We are advised that bids are to be asked in August for 10,000 ft., 4-in. and 5,000 ft. 3-in. standard pipe, with hydrants, valves, etc., for the new works of the Salt Lake County Water Co. Est. cost, of system at present is $20,000; supply is to be obtained from Little Cottonwood Canyon, and is to be piped to Brigham Junction through city of Sandy which is included in system. Contracts have already been let as follows: 4,000 ft. of 12-in. vitrified clay pipe to feed tank house from reservoir to OGDEN SEWER PIPE & CLAY CO., Ogden, Utah, 42 cts. per ft.; 2,800 ft. 6-in. wrought (standard) iron pipe, at 57 cts. per ft., CRANE CO., Salt Lake City. Anderson-Callister Investment Co., 308 State St., Salt Lake City, is in charge of the work.

TORONTO, ONT.—Bids are asked by Thos. Urquhart, Chn. Bd. of Control, until Sept. 19 for installation of two 5,000,000-gallon turbine pumps and steam turbines; also for supply of fire hydrants, valves and cast-iron pipe. (Advertised, Engineering News.)

WINNIPEG, MAN.—The time for receiving tenders for a water-works gas engine for the fire service plant of this city has been extended from Aug. 7 to Aug. 28, as is stated in our advertising columns. C. J. Brown, Cy. Clk.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

LACONIA, N. H.—We are informed that the plans for sewers and disposal works for The Weirs are nearly completed and will be presented to the City Council next month for approval. Probably nothing more will be done in this direction until next year. F. G. Berry, Cy. Engr.

FITCHBURG, MASS.—David A. Hartwell, Cy. Engr., informs us that the main intercepting sewer will not be done this season.

QUINCY, MASS.—Council has passed order appropriating $25,000 for extending main sewer and building laterals.

NEW HAVEN, CONN.—Department of Public Works has awarded contract for four sewers to THOS. F. MAHER, for a total of $8,859.

NEW BRITAIN, CONN.—Plans and specifications are on file at office of Engineering News, 220 Broadway, for constructing sewers here. Bids are asked until Aug. 15, as advertised in Engineering News.

NIAGARA FALLS, N. Y. — Contract for sewer work on Sec. 16, is stated to have been let to FRASER & WARD, for $3,927.

UTICA, N. Y.—Bids were received July 21 by Common Council for constructing sewer from foot of Division St. to a point opposite the Onita knitting mill, the contract being awarded to BESCH & BEEBE, Utica, this firm submitting a bid of $188,636 for a brick and stone sewer and a bid of $170,528 for a concrete sewer.

TROY, N. Y.—The City Engineer has been directed by Board of Contract and Supply to prepare plans and specifications for the extension of Water St. and Stow Ave. sewer. Philip Casey, Comr. Pub. Wks.

PHILLIPSBURG, N. J.—Plans and specifications for the construction of a sewer for this place may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked until Aug. 5, as stated in our advertising columns.

MAPLEWOOD, N. J.—George E. Low, Ridgewood, N. J., has been appointed engineer in charge of the proposed sewer in the Ridgewood road section. Plans and specifications when completed are to be submitted to a consulting engineer.

HADDONFIELD, N. J.—This borough, according to reports, proposes to do about $18,000 worth of sewer work, either by labor direct or by contract.

WEST CHESTER, PA.—We are informed that sewerage plans are under discussion. Chas. W. Pennypacker is Ch. Burgess.

WASHINGTON, PA.—About six miles of streets in this city are to be sewered and paved this year. O. K. Taylor is Cy. Civ. Engr.

YORK, PA.—According to a report submitted to Council by the Board Public Works an additional $400,000 will be needed to complete this city's system of sanitary sewers, now under construction.

NORRISTOWN, PA.—Town Council has decided to build a trunk sewer in Washington St., and will make a loan of $12,000 for that purpose. S. Cameron Corson is Boro. Engr.

WASHINGTON, D. C.—Following bids were received July 24 by District Commissioners for construction of sewage disposal system in several streets: SULLIVAN BROS., Arcade Bldg., Philadelphia, Pa., $59,337 (awarded contract); J. H. Louchheim, Philadelphia, Pa., $60,784; J. Connelly Construction Co., Cleveland, O., $62,490. D. E. McComb, Supt. Sewers. Itemized bids are given under Contract Prices.

WILMINGTON, N. C.—We are informed that the Brooklyn Sewage Co., of Wilmington, is asking bids for laying pipe sewers. About 5,000 ft. of 6-in. to 10-in. sewers, average cut 5 ft., are to be laid. Matthews & O'Brien, 413 Southern Bldg., Wilmington, are Engrs.

ST. AUGUSTINE, FLA.—Eugene Masters is member Board of Trade Committee which will confer with City Council looking to bond city for constructing a sewer system.

GAINESVILLE, FLA.—This city has engaged an engineer to supervise the construction of sanitary sewers to cost approximately $50,000.

GADSDEN, ALA.—The city has voted to issue $30,000 in bonds for sewerage.

CORINTH, MISS.—Contract for constructing 7½ miles of sanitary sewers for this place has been let to W. M. LEFTWICH & CO., Nashville, Tenn., for about $21,000.

CLEVELAND, TENN.—Citizens of this place, according to reports, are to organize company to put in sewer system.

LEXINGTON, KY.—Surveys are stated to have been started for the new sewer system for this city. Herring & Fuller, 170 Broadway, New York, are Consult. Engrs.; P. P. O'Neill is Cy. Engr.

GEORGETOWN, KY.—This city, J. W. Kellar, Mayor, was to sell on Aug. 1 $25,000 of bonds for construction of a sewer system.

MANSFIELD, O.—Bids are asked by Board Public Service, until noon Aug 7, for construction of 983 ft. of 8-in. sewer in Greenwood Ave. and Henry St.

PORTSMOUTH, O.—Bids were received July 24 by Board Public Service for constructing concrete sewer in Lawson's Run, Stracher & Fritz Bros. at $4,202 being lowest bidders.

CINCINNATI, O.—Plans for a 1½ mile sewer on Harrison Ave. will be completed shortly by J. E. Breen, Cy. Engr.

LEBANON, O.—Contract for construction of a sewer here has been let to CHAS. F. SULLIVAN, Dayton, O., for $2,502.

NORWOOD (Sta. Cincinnati), O.—Bids are asked by Board Public Service until Aug. 19 for construction of sanitary sewer in Lowry St., Crossley Ave. and Williams Ave. J. A. Stewart, Engr., 813 Traction Bldg., Cincinnati; E. R. Edwards, Clk. Bids will also be received by same board until Aug. 12 for construction of sanitary sewer from McNeil Ave. to the West Norwood sanitary sewer.

CINCINNATI, O.—Bids are asked by Board Public Service, Geo. F. Holmes, Clk., until noon, Aug. 14, for constructing sewers and drains in Kinney Ave.

MARION, O.—Bids are asked by Board Public Service, Wm. Fies, Clk., until noon, Aug. 9, for constructing sanitary sewer and cellar drain in John St.

DAYTON, O.—Following bids were received July 27 by Wm. F. Miller, Clk. Bd. Pub. Serv., for construction of various sewers: Coates Ave. storm sewers—Wm. Hilt, $2,731; Paul & Kershner, $2,758; M. O. Herron & Co., $2,782; Couch & Kunkle, $2,703; David Beard, $3,329. First St. storm sewer—M. O. Herron & Co., Dayton, $10,100; Wm. Hilt, $10,341; Phil. W. Minnigan, $11,041; David Beard, $11,912; James Reid, $11,984; Paul & Kershner, $12,672. Sanitary sewer, District No. 9—M. O. Herron & Co., $4,503; James Reid, Dayton, $4,551; Paul & Kershner, Dayton, $4,643. Sanitary sewers, District No. 5—M. O. Herron & Co., $24,705; James Reid, $20,331; Paul & Kershner, $31,258. Itemized bids for this last piece of work are given under Contract Prices.

MIDDLETOWN, O.—Bids are asked by Board Public Service, N. G. Oglesby, Clk., until noon Aug. 10 for labor and material for construction of 5,760 ft. 30-in. to 44-in. circular concrete sewers, and 6,379 ft. 12-in. to 27-in. pipe sewers. Frank Doty, Engr. (Advertised, Engineering News.)

KENTON, O.—We are advised that bids will be opened Sept. 1 for constructing about 1,400 ft. of 12-in. sewer; cut, 7 ft. P. K. Strong is Cy. Engr.

WABASH, IND.—This city contemplates constructing a 36-in. main sanitary sewer, to cost $10,000. John Hilty is Cy. Engr.

ANGOLA, IND.—City Council has appropriated $90,000 for the construction of three trunk line sewers. City Clerk will ask for bids soon.

ANGOLA, IND.—We are informed that no definite steps have been taken regarding a sewerage system, and probably will not be constructed for a year. A. C. Wood, Town Clk.

BLOOMINGTON, IND.—We are informed that Ulysses S. Hanna, Cy. Civ. Engr., is now making a topographical map of the city for proposed sewerage system. The contract will probably be awarded some time next year.

BROWNSTOWN, IND.—Bids will be received by H. W. Wacker, County Audr., until Aug. 8, for construction of two sewers.

HUNTINGTON, IND.—We are informed that PHILIP KIPSKIN & SON, of Wabash, Ind., were awarded contract July 25 for constructing sewers for the city of Huntington at $2,508.

CRYSTAL FALLS, MICH.—Board Public Works is to employ engineer to make surveys and estimates for sewer system. Robert Munns is Clk.

CHICAGO, ILL.—Contract for construction of Lawrence Ave. sewer has been awarded to M. H. McGOVERN, 84 LaSalle St., Chicago, for about $650,000.

ROCKFORD, ILL.—M. M. KINNEAR has been awarded the contract for the building of the sewer system for the Emmerson Co.'s office in the West End for $3,000.

MARION, ILL.—It is reported that B. S. Craine, C. E., Marion, will prepare plans and specifications for sewer system for this place.

PANA, ILL.—Council has appropriated $12,000 toward a sewer system for this place.

DECATUR, ILL.—Contract for sewer on Sangamon St. has been let to PATRICK McDONALD for $2,900.

EAST ST. LOUIS, ILL.—The contract for building sewers on 21st St., Ohio Ave., and St. Clair Ave., in Trendley Heights suburb, which was awarded to the Geisel Construction Co., St. Louis, Mo., has been refused by them, and the work has been taken over by Wolf, Maupin & Curdie, Alton, Ill. There is 3,853 ft. of pipe to lay.

PARIS, ILL.—Contract for constructing extension of north sanitary sewer has been awarded to ALAN PARRISH for $2,086.

WINNETKA, ILL.—Bids are asked by Board Local Improvements, Arthur B. Jones, Pres., until 8 p. m., Aug. 10, for the construction of a sanitary sewer in Sheridan Roads and other streets; construction of a sewage ejector station, including receiver chamber, ejector chamber, ejectors and all appurtenances. Frank A. Winde, Village, Engr. (Advertised, Engineering News)

CAIRO, ILL.—We are informed that Council is considering matter of constructing main trunk sewer. Richard H. Phillips, 503 Security Bldg., St. Louis, Mo., is Engr.

BELOIT, WIS.—Bids are asked by Board Public Works until 3 p. m., Aug. 14, for construction of sanitary and storm water sewers in several streets.

EDGERTON, WIS.—Bids are reported asked by Henry Johnson, Cy. Clk., until Aug. 5 for construction of 24,000 lin. ft. of lateral sewers.

FOND DU LAC, WIS.—Council is discussing the advisability of installing a system of surface storm sewers.

LA CROSSE, WIS.—The Board Public Works is preparing plans and estimates for the construction of a 12-in. sewer on Division St. H. J. Beckwith is Pres.

BELOIT, WIS.—Bids will be received at office of City Clerk until 3 p. m., Aug. 14, for construction of about 8,739 ft. of 8-in. to 36-in. vitrified pipe sewers, manholes, catch basins, etc. Robt. Caldwell, Cy. Engr.

CORNING, IA.—Wm. Christie, Jr., Engr., Redoak, Ia., is preparing plans for seven blocks of pipe sewer. Bids will be received soon.

ROCK FALLS, IA.—Contract for constructing sewer system here is stated to have been let to W. M. DEARBORN, Stone City, Ia., for $15,401.

DENISON, IA.—Contract for construction of 4,470 ft. 8-in. sewer for this city has been awarded to A. J. GARY, Denison.

SIOUX CITY, IA.—We are informed that matter of constructing proposed sewer for Crescent Park has been laid over until next year. J. M. Lewis is Cy. Engr.

ST. PAUL, MINN.—The Board Public Works has passed a final order for a sewer on Fairfield and other streets in the Tenth Ward. Est. cost, $25,000. R. L. Gorman is Clk.; L. W. Rundlett is Cy. Engr.

GRAFTON, N. DAK.—Bids are asked by L. B. Baldwin, Supt. North Dakota Institution for Feeble Minded, City Library, until noon Aug. 5 for extension of city sewer from intersection of Fifth and Kittson Sts. Proposals will also be received at the same place and date for the construction of a reinforced concrete septic tank, pump house, and machinery therefor, together with connecting sewers from present city sewer to septic tank, etc.

ANACONDA, MONT.—Council has decided to have additional sewers constructed at a cost of $9,100. M. Knudson is Cy. Engr.

LITTLE ROCK, ARK.—Contract for sewer system in Stifft's Addition has been let to JOSEPH McCOPPIN for about $5,000.

DALLAS, TEX.—The city will vote Aug. 22 on the issuance of $100,000 of bonds for improvements to sewerage system.

TEMPLE, TEX.—The holdings and property of the defunct Temple Sewer Co. have been transferred to the newly organized Temple Sanitary Sewer Co. The plans are said to contemplate the installation of a modern system of disposing along sanitary lines and elaborate extensions of the mains. Col. P. L. Downs is Pres. of company.

BARTLESVILLE, IND. T.—We are informed that an election is to be held by this city on Aug. 8 to vote on issuing $17,000 additional sewer bonds for building about 5½ miles of sewers. Will H. Whaley is Cy. Engr.

TULSA, IND. T.—This city has voted to issue $30,000 of bonds for sewers; it is estimated that $40,000 additional will be required to complete the system.

WENATCHEE, WASH.—An election was held July 26 to vote on laying main sewer from the town to the river.

PORTLAND, ORE.—City Council has adopted resolution for construction of sewers in Vancouver Ave., Haight Ave. and Failing St. Est. cost, $12,612.

SACRAMENTO, CAL.—County Surveyor Boyd has been instructed to prepare plans and specifications for a new sewerage system at the county hospital and report the same back to the Board of Supervisors at the August meeting.

ALAMEDA, CAL.—W. R. Poyzer, Cy. Engr., has been instructed to prepare plans and specifications for a sewer in Eagle Ave. and Broadway and for a sewer in San Jose Ave., south of Broadway.

OGDEN, UTAH.—Following bids were received July 22 by A. F. Parker, Cy. Engr., for constructing vitrified tile pipe sewers in Sewer District No. 10: Jas. Kennedy, Fargo, N. Dak., $84,193; J. P. O'Neill, Ogden, Utah, $65,727, $59,832 (alternate bid for Parmley's patent concrete block sewer); Gilmartin & Zitzman, Ogden, Utah, $85,931; Hanley & Ritchie, Topeka, Kan., $83,038; P. J. Moran, Salt Lake City, Utah, $70,708. All bids were reported to Council and no award had been made up to July 26. Itemized bids are given under Contract Prices.

GARBAGE DISPOSAL.

McKEESPORT, PA.—Select Council has passed an ordinance granting a 20-year franchise to Auld Bros. Co. to collect and dispose of the garbage of the city.

WASHINGTON, PA. — Information is wanted regarding a garbage disposal system for a city of 25,000 population. O. K. Taylor, Jr., Cy. Civ. Engr. (Advertised, Engineering News.)

WASHINGTON, D. C.—Following bids were received July 24 for furnishing one destructor for use on the isthmus: Morse & Boulger Destructor Co., 39 Cortlandt St., New York, $1,900; National Equipment Co., Holland Bldg., St. Louis, Mo., $5,500; Lewis & Kitchen, 433 Wabash Ave., Chicago, Ill., $1,791; Dixon Garbage & Crematory Co., Toledo, O., $2,245.

MILWAUKEE, WIS.—Special Council Committee, Frederick Begt, Chn., in reports recently presented to council is stated to condemn the present municipal garbage plant, and to recommend that some other method of disposing of garbage be tried until a new plant can be erected.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

MILLBURY, MASS.—Contract for constructing 3,400 ft. of macadam road in Greendale has been let to CHAS. A. HOWE.

CLARKSBERG, MASS.—Contract for constructing section of state highway in this town has been let to J. W. POLCARO, Pittsfield, Mass., for $4,696.

WATERBURY, CONN.—State Highway Commissioner has awarded contract for constructing 2,800 ft. of macadam road in Waterbury, to JOHN FAGAN'S SONS, Derby, Conn., for $5,600. The contract for grading 2,650 ft. in Franklin was let to W. F. PACKER, Groton, Conn., for $3,150.

WATERBURY, CONN.—Contract for paving Grand St., with bitulithic pavement has been awarded to WARREN BROS. CO., Boston, Mass., for about $14,500.

BRIDGEPORT, CONN.—Bids were received July 19 by City Council, E. T. Buckingham, Cy. Clk., for paving, the contract being awarded to the STANDISH STONE CORPORATION, for Mack block at $2.70 per sq. yd.

GRANBY, CONN.—The State Highway Commissioner has awarded a contract for the construction of 2,400 ft. of gravel road in the town of Granby to F. ARIGONI & BRO., of Durham, for $4,700.

SIDNEY, N. Y.—Contract for construction of macadam pavement on Division St. (bids opened July 24) has been let to SEVER, WOOD & JAMESON, Sidney, for about $5,000.

OSWEGO, N. Y.—We are informed that bids have been asked for paving West 3d and West 4th Sts. with metropolitan block, for a distance of 1,000 ft. Chas. H. Snyder is Cy. Engr.

RENSSELAER, N. Y.—Contract for paving with Clearfield brick on Broadway and Catherine St., has been awarded to M. F. POLLARD, Albany, N. Y.

TROY, N. Y.—The Common Council passed a resolution for grading and paving Mill St., from the intersection of Burden Ave. to Wynantskill Bridge.

FORT TOTTEN, N. Y.—Contracts for roadwork at this post have been awarded as follows: Class A, L. COLLINS, Whitestone, N. Y., $15,103; Class B, P. B. ELKINS CO., Boston, Mass., $6,105; Class C, C. B. BELL, Bayside, N. Y., $2,247.

NEWBURGH, N. Y.—Bids are asked by D. J. Coutant, Cy. Clk., until noon, Aug. 16, for labor and materials for about 8,100 sq. yds. street pavement, building catch basins, setting curbstone and otherwise improving Lander St. Everett Garrison, Cy. Engr. (Advertised, Engineering News.)

IRVINGTON (STA. NEWARK), N. J.—An ordinance providing for the paving of Clinton Ave., from the city line to Springfield Ave., with Warren Bros.' bitulithic pavement, has been passed to its second reading by the Town Council.

FLEMINGTON, N. J.—Freeholders have awarded contract for building macadamized road from Ringoes to Lambertville, a distance of about six miles, to the DELAWARE RIVER QUARRY & CONSTRUCTION CO., Lambertville, N. J., for $47,900.

PERTH AMBOY, N. J.—Bids will be received by Wm. H. Fullerton, St. Comr., until 8:30 p. m., Aug. 7, for paving on State St., with vitrified shale paving brick; also for grading of Elm St.

HARRISBURG, PA.—Bids are asked by State Highway Department, Joseph W. Hunter, Comr., until Aug. 12 for construction of 5,400 ft. of road in Lower Merion Township.

PITTSBURG, PA.—County Commissioners have awarded contracts as follows for improving five roads: W. W. KELLY, Versailles Road, $11,922; Three Degree Road, $39,117; Noblestown Road, $61,985. W. E. HOWLEY, Elizabeth and Monongahela Road, $22,760; Loomis Run and Mt. Nebo Road, $61,465.

ALLEGHENY, PA.—Contracts for paving work in this city were let July 24 as follows: INTERNATIONAL CONSTRUCTION CO., grading and paving with sheet asphalt Fairview Ave., $3,273; grading and paving with sheet asphalt Marshall Ave., $11,955; regrading and repaving with sheet asphalt Marion Ave., $10,469; regrading and repaving with sheet asphalt a portion of West Ohio St., $7,759; regrading and repaving with sheet asphalt portions of Irwin, North, Beech and Allegheny Aves., $8,665; regrading and repaving Western Ave. with sheet asphalt, $15,330. Regrading and repaving with Ligonier block stone on Federal St., A. V. PARNELL, $6,182.

DORRANCETON, PA.—Borough Council on July 22 awarded contract for paving portion of lower flats road to WEST-NEWCOMB CO., Philadelphia, Pa., for $14,440. Contract for supplying about 275,000 brick for the work was let to MACK MFG. CO. The contract for the portion of the road which is to be paid for by the county was also awarded to the WEST-NEWCOMB CO., for $11,920. Contract for furnishing 230,000 brick for the work was let to the SCRANTON VITRIFIED TILE CO.

EASTON, PA.—Easton-Delaware Bridge Co. has awarded contract for construction of 16,000 sq. ft. of concrete walks on its bridge to W. F. SIEBLER & CO., Easton.

SUFFOLK, VA.—We are informed that bids will be received by J. H. MacLeary, Chn. St. Com., until 9 p. m., Aug. 15, for about 1,500 sq. yds. each of bitulithic, asphalt and concrete street paving.

CHARLESTON, W. VA. — City Council awarded the contract for the paving Shrewsbury St., from Washington to Smith, and Lewis St., from Dickinson to Morris; Dickinson St., from Quarrier to Lee, and McFarlane, from Quarrier to Virginia, to PFAFF, RINGWALD & SMITH.

WILMINGTON, N. C.—We are informed that contract for about 8,800 sq. yds. brick paving here has been let to ROGER MOORE & CO., Wilmington. P. Matthews is Cy. Engr.

GADSDEN, ALA.—The city has voted to issue $20,000 in bonds for street paving.

MACON, GA.—The city will vote in September on the issuance of $75,000 of bonds for street paving. J. W. Wilcox is Cy. Engr.

MERIDIAN, MISS.—City has awarded contract for street paving, for which a portion of the late bond issue was set apart, to the JEFFERSON BRICK CO., Birmingham, Ala. for $37,758. Shale brick manufactured in Birmingham is to be used.

NEW ORLEANS, LA.—Specifications may be seen at the office of Engineering News, 220 Broadway, New York, for the erection of an asphalt plant for this city. Each bidder is to submit with his bid plans of the plant he proposes to furnish. Bids are asked until Aug. 28, as is stated in our advertising columns.

KNOXVILLE, TENN.—We are advised that a contract was let July 21 to J. E. BORCHES, Knoxville, for 10,100 sq. yds. brick pavement at $1.64½ per yd. About 40,000 sq. yds. of asphalt pavement is to be laid for the city at an est. cost of about $90,000. T. J. Moreland is Cy. Engr.

HARRIMAN, TENN.—The Roane County Court has appropriated $31,000 for road work.

FINDLAY, O.—Bids were received July 26 by John A. Sutton, County Audr., for paving Boutwell Road for four miles, the contract being awarded to PATTERSON BROS. & CO., Ada, O., for $11,020.

MARION, O.—Bids are asked by Board Public Safety, Wm. Fies, Clk., until noon Aug. 9 for labor and material for paving Windsor St., from Bellefontaine Ave. to Church St., with sheet asphalt, setting curbs, etc.

CINCINNATI, O.—Bids are asked by Board Public Service until Aug. 14 for the improvement of Warsaw Ave. by grading, setting granite curbs and laying roadway with bitulithic pavement and constructing necessary drains and retaining walls. Geo. F. Holmes, Clk.

BOWLING GREEN, O.—It is stated that E. L. Spafford, County Surveyor, will open bids Aug. 28 for grading, draining, macadamizing and constructing county road in this county. The improvement involves an outlay of over $20,000.

ALLIANCE, O.—Bids will be opened Aug. 22 by C. E. Harsh, Clk. for grading, curbing and sewering and paving So. Union Ave., W. Cambridge St., Haines Ave., Gyger Ave., Summit St., making a total of 55,000 sq. yds. with the necessary grading, sewering and curbing.

KENTON, O.—We are informed that contract for 6,346 sq. yds. of brick paving was awarded July 18 to the Kenton Construction Co. for $13,142. We are also advised that bids will be opened about Sept. 1 for 9,832 sq. yds. of asphalt or brick paving on Market St. P. K. Strong is Cy. Engr.

OTTAWA, O.—Following bids were received July 24 by County Commissioners, O. C. Talbot, County Engr., for constructing roads: Bengman stone roads 4¼ miles: Toledo Stone Glass Land Co., Toledo, O., $13,447; J. R. Holran, Fostoria, O., $17,137; Frank Koust, Continental, O., $16,675; M. P. Goetschins, Ottawa, O., $18,379; Clemmer & Johnson, Hicksville, O., $17,893. Leopold Road, No. 1, 4¾ miles: J. R. Holran, Fostoria, O., $19,317; Frank Koust, Continental, O., $20,305; M. P. Goetschins, Ottawa, O., $20,091; Gust. W. Harer, Tiffin, O., $21,220.

BRAZIL, IND.—Bids are asked by J. Frank Smith, County Audr., until Aug. 8, for construction of gravel road about two miles long.

GREENCASTLE, IND.—County Commissioners will receive bids until Aug. 12 for the improvement of 15,826 ft. of macadamized road. C. C. Hurst, County Audr.

LOGANSPORT, IND.—Bids are asked by O. C. Gard, County Audr., for construction of the Ward free gravel road.

MOUNT VERNON, IND.—The WESTERN CONSTRUCTION CO., of Lafayette, Ind., has been awarded contract to put down two miles of asphalt pavement at $1.70 per sq. yd. and 55 cts. per lin. ft. for curb and gutter.

VERNON, IND.—Bids are asked by County Commissioners until Aug. 7 for construction of over a mile of pike road in Vernon Township. W. S. Campbell, County Audr.

VINCENNES, IND.—Local press reports announce that J. T. Scott, County Audr., will receive bids until 2 p. m., Aug. 8 for construction of 6,555 ft. of gravel roads.

DELPHI, IND.—We are informed that a restraining order has been served on the Mayor and Common Council of this city preventing them from receiving bids or awarding any contract for bitulithic paving. Court will determine the matter on Aug. 7. John W. Fawcett, Cy. Clk.

BARTLESVILLE, IND. T.—We are advised that it is expected that a number of blocks of paving will be laid here in the near future. The work will be paid for by individuals, as the laws of Indian Territory are such that only a certain amount of bonds can be voted for public work. Will H. Whaley is Cy. Engr.

GRAND RAPIDS, MICH.—The contract for improving West Bridge St. hill has been awarded by Board Public Works to JOHN HIDESHUTTER, at $18,000.

DETROIT, MICH.—Contracts for street improvement work are reported to have been awarded as follows: Canfield Ave., CLEVELAND TRINIDAD PAVING CO., sheet asphalt, $12,248; Alexandrine Ave., sheet asphalt, BARBER ASPHALT CO., $3,100; Charlotte Ave., sheet asphalt, BARBER ASPHALT CO., $1,558; Porter St., sheet asphalt, BARBER ASPHALT CO., $7,204; John R. St., sheet asphalt, BARBER ASPHALT CO., $2,595; Seminole Ave., sheet asphalt, BARBER ASPHALT CO., $11,190; Trombley Ave., sheet asphalt, CURRIE & CONN, $2,821.

ESCANABA, MICH.—We are informed that this city will issue $50,000 in bonds for paving. H. J. Robertson, Cy. Clk.

LINCOLN, ILL.—Contract for constructing 31,000 sq. ft. of cement walks around the courthouse here has been let to FRANK SHIRK, for $3,811. Contract for paving College Ave., Logan and Pekin Sts., with brick has been let to C. D. FRY & CO., New Castle, Ind.

CHICAGO, ILL.—The Board Public Improvement held a public hearing recently on paving propositions and decided upon new paving and its cost as follows: South Union St., Lumber St. and Union Court, granite, $33,500. Devon Ave., brick, $23,500. Morgan St., asphalt, $36,500. Princeton Ave., asphalt, $127,000. South Talman Ave., asphalt, $4,500. Perry St., Belle Plaine Ave. and Warner Ave., macadam, $18,500. Butler St. and West 97th St., paving slag and cobblestone, $12,000. Grenshaw St., asphalt, $13,500. Emerald Ave., asphalt, $30,500. Fifth Ave., asphalt, $11,000. South Wood St., brick, $29,500. West 18th St., asphalt, $49,500.

MILWAUKEE, WIS.—West Park Realty Co., Benjamin Ehlhardt, Secy., according to reports, proposes to build a boulevard 1,000 ft. long by 120 ft. wide. The road is to be macadamized and contract for the grading already has been let to CHARLES WUSSOW.

RHINELANDER, WIS.—We are informed that contract for macadamizing several streets, bids for doing which were received July 27 by Board Public Works, has been awarded to F. McGRATH, Green Bay, Wis., for $24,989. Richard Reed is Cy. Comptroller.

DAVENPORT, IA.—Davenport Land & Improvement Co. is stated to have awarded for building $8,000 worth of macadam sidewalk at Camp McClellan to CONCRETE CONSTRUCTION O., Rock Island, Ill.

MANCHESTER, IA.—Sealed proposals will be received by Ennis Boggs, Cy. Clk., until 12 m., Aug. 8, for vitrified brick or block paving and cement curbing in Franklin and Main Sts.

OTTUMWA, IA.—Bids are asked by W. H. O'Malley, Chn. St. Com., until 8 p. m., Aug. 7 for paving portion of Washington St., with vitrified brick.

SALINA, KAN.—Contract for paving 10th St. with brick has been let to HASKINS & RAMSEY, Topeka, Kan.

LEAVENWORTH, KAN.—A. N. Maduska, Cy. Engr., will have plans ready for bids Sept. 1 for constructing one mile of vitrified brick pavement laid on crushed stone. Also six blocks of vitrified brick paving on Ottawa St., between Main and Fifth Sts.

OMAHA, NEB.—City Council has awarded contract for constructing about eight miles of brick sidewalk for this city to E. A. WICKHAM.

ST. LOUIS, MO.—The Board of Public Improvements, July 18, received bids for construction of ten streets. In addition, bids were received for the repair of asphalt streets, for which the contract period of ten years has expired. The lowest bidders are as follows: Asphalt street maintenance, Heman Const. Co., Fullerton Bldg., $209,787; Palm St., Fruin & Colnon, Laclede Bldg., $32,991; Laflin St., Fruin & Colnon, $8,948; Texas Ave., Rucking Const. Co., Marine Ave., $6,935; Texas Ave., between Cherokee St. and Arsenal St., Ruecking Const. Co., $17,247; Texas Ave., between Pestalozzi St. and Gravois Ave., Ruecking Const. Co., $9,591; Cottage Ave., between Whittier St. and Taylor Ave., Heman Const. Co., $27,220; Cottage Ave., between Taylor Ave., Heman Const. Co., $[illegible]; Ruecking Const. Co., $[illegible]; Fruin & Colnon, $10,[illegible]; ite Bituminous Paving [illegible] St., $12,031.

MACON, MO.—Bids [illegible] Farrar, Cy. Clk., until [illegible] about 4,420 sq. yds. vit[illegible] Vine St.

GALVESTON, TEX. [illegible] jected for furnishing 2,[illegible] less, of crushed sto[illegible] ment work.

PORT ORCHARD, WA[illegible] rejected for construct[illegible] son Road, No. 141. R[illegible] Audr.

DAYTON, WASH.—C[illegible] ing cement and concre[illegible] been awarded to E. L[illegible] for $11,300.

SEATTLE, WASH.—B[illegible] has awarded contract for [illegible] ond Ave., north of Pike [illegible] PENDENT ASPHALT C[illegible]

SEATTLE, WASH.—B[illegible] Board Public Works, C[illegible] until Aug. 12 for constru[illegible] walks on Roy St., at est[illegible] on North Lake Ave., at e[illegible]

MANUFACTURING PLANTS.

The names of parties awarding contracts are printed in capital letters.

BAR MILLS, ME.—WARD [illegible], of Kennebunk, Me., have contr[illegible] build pulp mills for the Publishers' [illegible] Mills, Steep Falls and H[illegible] Ward Bros. will build a ha[illegible] in each town, connecting w[illegible] is said that the company's w[illegible] the Saco River aggregates [illegible] HP. and will be extensively develop[illegible] for the transmission of electrical power [illegible] pulp and paper mill at Por[illegible]mouth, N. H.

ST. JOHNSBURY, VT.—[illegible] & Rankin have purchased property [illegible] upon which to erect a board mill to replace the [illegible] burned.

WORCESTER, MASS.—W. A. [illegible]APMAN & CO., of Providence, R. I., [illegible] contract to build a 4-story factory at Pr[illegible]ct and Otis Sts. for the Sherman Envelope Co. H. F. Raynes, of Boston, will have charge of installation of boilers, engines, etc. Cost $45,000.

DANVERS, MASS.—The Kersaint Leather Co.'s plant, destroyed by fire with a loss of $100,000, will be rebuilt. T. J. Lynch is Supt.

LYNN, MASS.—Henry W. Rogers, Arch., 38 Exchange St., Lynn, has plans for an eight-story shoe factory for the Lynn Realty Co.

WORCESTER, MASS.—Arch. [illegible]dw. P. Fitzgerald, State Mutual Bldg., Worcester, has plans for a workshop for the city, to be located at East Worcester and Shrewsbury Sts. Appropriation, $15,000.

QUINCY, MASS.—Alexander Clark, manufacturer of granite cutters' tools, is reported to be having plans drawn for a machine shop, 30 × 60 ft.

PAWTUCKET, R. I.—It is reported that the Royal Weaving Co. will increase its capital from $1,000,000 to $2,000,000 and will shortly erect an additional mill.

NEW HAVEN, CONN.—The Burn-Poore Mfg. Co. will be incorporated to manufacture gas and electric lighting fixtures. Capital, $300,000.

JAMESTOWN, N. Y.—The factory of the Jamestown Panel & Veneer Co. will be rebuilt. It will be of cement block construction.

NEW YORK, N. Y.—Plans have been filed by L. Oberlin, Arch., 15 Whitehall St., for a 5-story brick brewery, 104 × [illegible] ft., on Amsterdam Ave., Lawrence to 128th St. Schwartz & Bernheimer, premises, are the owners. Est. cost, $125,000.

BRIDGETON, N. J.—Plant of the Moore-Jonas Glass Co. was burned recently. Loss, $100,000.

NEWARK, N. J.—G. W. Campbell, Arch., 171 Broad St., Newark, has plans in progress for a factory to be erected on Vanderpool St. for Cawley, Clarke Co. It will be of [illegible]-proof construction, three stories, brick, 50 × 200 ft. Equipment will be required. Est. cost, $100,000.

CAMDEN, N. J.—The Mount Vernon Brewing Co. has been incorporated, with a capital of $250,000, to do malting, brewing and distilling business. The incorporators are: F. R. Hansell, John A. MacPeak and E. C. Clow.

BERWICK, PA.—It is announced that the American Gas & Foundry Co. will make extensive additions to its steel car department at Berwick plant. Estimated cost of proposed improvements is $350,000.

ERIE, PA.—The Erie Malleable Iron Works will erect a brick addition, 200 × [illegible]0 ft., to cost $60,000. HENRY SHENK CO., of Erie, is the contractor.

The Lovell Mfg. Co. will build a brick addition to its plant. HENRY SHENK CO. is contractor. Cost, about $10,000.

PHILADELPHIA, PA.—Wilson, Harris & Richards, Archs., Drexel Bldg., Philadelphia, have plans for alterations and additions to factory building at 450-52 York Ave.

J. B. Stetson Co., of Philadelphia, has plans in progress for an addition to their factory building. Brick, 5 stories, 60 × 200 ft.

Walter Smedley, Arch., [illegible]Stephen Girard Bldg., has prepared plans for a 2-story laundry building, to be erected at 16th and Parrish Sts., for the West Philadelphia Hospital for Women.

The Tioga Foundry & Machine Co., 21st and Clearfield Sts., will receive bids for a 1-story blacksmith shop.

SCRANTON, PA.—Foundry and two buildings of the Scranton Steam Pump Co. were destroyed by fire. Loss, $[illegible]0,000.

SHARON, PA.—The Driggs-Seabury Ordnance Co., of Sharon, have plans in progress for a factory, consisting of 11 buildings, including a power house.

YORK, PA.—S. Morgan Smith Co. will erect an addition to their plant at Lincoln and Hartley Sts.

YORK, PA.—Fire destroyed the rag factory owned by Schmidt & Ault Paper Co. Loss, $65,000.

PHILADELPHIA, PA. — HERBERT E. HAVENS, Stephen Girard Bldg., has been awarded contract for a shoe factory at Willow and Orianna Sts., for A. Newman & Co.

PITTSBURG, PA.—Chas. McKnight, care National Bank of Western Pennsylvania, Pittsburg, is receiving plans prepared for five warehouses, each to contain a refrigerating plant.

SCRANTON, PA.—The Standard Brewing Co. will receive bids on an addition to its brewery. New power equipment and brewing machinery will be required.

WILKESBARRE, PA.—JOSEPH DUNFEE & CO., of Syracuse, N. Y., have been awarded the contract for brewery for the Luzerne County Brewing Co.

BALTIMORE, MD.—Nathan Hirschberg & Son, manufacturers of picture frames and moldings, 215 West Pratt St., have received estimates on construction of factory on Bush St. A power house and office building will also be constructed; cost of buildings, about $40,000.

The Mt. Vernon Brewing Co., recently incorporated in New Jersey, will remodel the Baurenschmidt brewery, at Ridgely and Scott Sts. New floors, lighting, machinery, pumps and a refrigerating plant and ice-making plant will be installed. It is said that a new bottling plant building will be constructed, with all modern appliances, including carbonating machinery. About $100,000 will be spent.

KEYSER, W. VA.—J. W. Luther is organizing a company, to be known as the Keyser Brewery & Provision Co., Capital $200,000, to build and operate a brewery and storage plant.

MANNINGTON, W. VA.—G. W. Bowers, Z. W. Jones and others have obtained a charter for the Mannington Forged Steel Co., which will engage in general forge and foundry business.

ABBEVILLE, S. C.—F. E. Harrison, W. P. Greene and Fred Minshall will erect an ice factory here.

Situations Wanted

Mechanical and Electrical Engineers.

MECHANICAL ENGINEER, graduate, now employed, desires change; 2½ yrs. experience; familiar with structural steel erection, equipment, prices. Address, "R. A. 5," Engineering News, New York. 5-1t

YOUNG MAN, mechanical graduate, 2 years' engineering and managerial experience, desires change; would like position of responsibility. Address, "S. A. 5," Engineering News, New York. 5-1t

Civil Engineers.

CONTRACTOR'S ENGINEER. — Graduate civil engineer, 31 years, desires position as superintendent in charge of building construction; large experience on steel and reinforced concrete structures and foundation work; good hustler. Address, "O. 5," Engineering News, New York. 5-2t

Superintendents, Misc., etc.

REINFORCED CONCRETE ENGINEER.—College graduate, nine years' experience in America and on the continent, at present in charge of important work, will be open for engagement with a first-class firm. Address, "P. A. 5," Engineering News, New York. 5-2t

SITUATIONS OPEN

WANTED.—Experienced architectural draftsman; familiar with mill and factory building. Apply, stating experience, salary and time you can begin work, to "W. A. 5," Engineering News, New York. 5-1t

WANTED.—A young mechanical draftsman. Address ROOM 34, 62 William St., New York. 5-1t

WANTED.—Three first-class experienced draftsmen for railroad work. Location, New York City. Address "Z. A. 5," Engineering News, New York. 5-1t

WANTED at once for South America, practical railway auditor; must be first-class man with considerable railroad experience. State fully qualifications and salary expected. Address "X. A. 5," Engineering News, New York. 5-1t

WANTED.—An experienced designer, estimator and draftsman on structural iron and steel work for buildings. Address, giving references, age, experience, etc., "A. A. 5," Engineering News, New York. 5-2t

Other "WANT" Advertisements may be found on Pages 32, 33, 34, 39.

GREENSBORO, N. C.—A charter has been issued for the Pomona Cotton Mfg. Co., of Greensboro, for the erection and operation of a cotton mill. The incorporators are J. E. Serrine, D. T. Gallivan, J. F. Gallivan, of Greenville; A. T. Wing, of Palmer; Lee H. Battle, W. S. Thompson and A. L. Baine, of Greensboro. Capital is $200,000.

CALHOUN, GA.—A. R. McDaniel and associates will establish an overall factory and want prices on machinery and equipment.

COLUMBUS, GA.—The Georgia Manufacturing Co. will build a brick addition to its knitting factory.

KINGSLAND, GA.—A. E. Wells, of Kingsland, wants prices on machinery and equipment for carriage factory.

AUTAUGAVILLE, ALA.—The Whitewater Lumber Co., recently incorporated, will erect a saw and planing mill. S. D. Dantzler is Arch.

MERIDIAN, MISS.—The committee on manufacturers of the Board of Trade announces that it has received positive assurance that a wood-working factory, to cost $100,000, will be built here.

It is reported that L. Cohen, Gen. Mgr. of the Beatrice Cotton Mills, will purchase equipment and machinery for the mills.

NEW ORLEANS, LA.—The American Can Co., 11 Broadway, New York City, will erect in New Orleans a plant that will cost about $250,000. W. S. Decker, of the W. H. Edwards Company, local representatives, has made the announcement.

Emile Perrin, Pres. of the Security Bank, is reported to be interested in proposed factory, which will be built to manufacture sewing machines.

The Chalmette Laundry Co., Ltd., will erect a building at Tulane Ave. and Dupre St. Soule & MacDonnell are Archs. Building will be of mill construction. Equipment will be required.

MEMPHIS, TENN.—The Broadway Mfg. cold storage building, 120 × 46 ft., are being prepared for J. N. Oliver. Alsup & Woods are Archs., 544 Randolph Bldg., Memphis. Cost, $60,000.

MEMPHIS, TENN.—The Broaidway Mfg. Co., Leavenworth, Kan., manufacturers of sash, doors, etc., will sell the Leavenworth plant and remove to Memphis. A new company will be organized, to be known as Fenn Bros. & Co., and will manufacture hardwood flooring exclusively. About $50,000 will be spent on machinery and $25,000 on building. R. H. Fenn is Pres., Leavenworth, Kan.

The Arthur Hardwood Flooring Co., L. P. Arthur, Pres., Randolph Bldg., will establish a hardwood flooring manufactory in Memphis within 60 days.

OWENSBORO, KY.—The Owensboro Wagon Co. will rebuild its plant, which was burned recently, causing a loss of $50,000.

LOUISVILLE, KY.—The Falls City Brewing Co. has purchased a site, at Broadway and 20th St., for the proposed brewery mentioned in issue of July 20. Contracts to be let at once. M. J. Hickey, Pres. Cost, $250,000.

TOLEDO, O.—The Harrison Dust Guard Co. is having plans drawn for a manufacturing establishment by A. B. Sturgis, Arch., Spitzer Bldg., Toledo. Cost, $25,000.

CLEVELAND, O.—Badgley & Nicklas, Archs., 1273 Euclid Ave., have plans for factory for H. S. Moore, to be erected on Crawford Road.

CINCINNATI, O.—The Smith & Nixon Piano Co. has purchased a lot, 50 × 100 ft., on which to erect an addition to its present factory. Address H. W. Crawford, 19 East 4th St., Cincinnati.

CLEVELAND, O.—The Van Dorn Iron Works will erect a brick and steel factory building, 120 × 280 ft.

R. Crabb, Arch., Bolton Ave., has prepared plans for a 4-story brick factory building, 90 × 90 ft., mill construction, on Water St., for John Amsfield & Co. Probable cost, $25,000.

HENRY G. SLATMYER, 139 Lake St., Cleveland, has been given contract for $10,000 machine shop for the Standard Welding Co.

The Empire Plow Co. has awarded contract to H. A. WATTERSON, of Cedar Ave., Cleveland, for several buildings, 28 × 80 ft., 22 × 100 ft. and 81 × 60 ft.

CINCINNATI, O.—Plans for a 2-story building, 30 × 70 ft., for the William Seivers Mineral Water Works, 1724 Hunt St., are being prepared by Joseph G. Steinkamp & Bro., Archs., Mercantile Bldg. It will be of brick and steel construction.

COLLINWOOD, O.—EDWIN SELFE, 38 John St., Glenville, O., has contract for additions to plant of the Browning Engineering Co.

FREMONT, O.—C. M. WOLFE, of Fremont, has been awarded contract for plant for the Thomas Conway Stove Co., of this city. E. A. Walshe & Son, Whitney Opera House Block, Detroit, Mich., are Archs.

TOLEDO, O.—Bacon & Huber, Archs., Spitzer Bldg., have awarded contract to JAMES HALES to erect addition to the Pope Motor Car Co.'s plant, on Central Ave. Cost, about $50,000.

INDIANAPOLIS, IND.—Geo. M. Brill, Arch., Marquette Bldg., Chicago, Ill., has prepared plans for a brick factory building, to be erected on Brookside Pl., for the T. B. Laycock Mfg. Co., of Tenth and Canal Sts., Indianapolis. Bids will be received soon.

INDIANAPOLIS, IND.—The Indianapolis Water Co. will soon ask for bids for construction of new flour mill at Hammond Park. F. A. W. Davis is Pres.

ANDERSON, IND.—The Pennsylvania Glass Co. has ordered plans for an addition to its plant in this city. Bids will be in order soon.

KANSAS CITY, MO.—Bids have been asked by Root & Siemens, Archs., Postal Telegraph Bldg., for a plant for the W. E. Zahner Mfg. Co., 12 West 10th St., manufacturers of wire-glass windows.

READERS' WANTS If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

GEARING.—Thomasville, Ga.—The Thomasville Iron Works is in the market for small gearings.

SPECIAL WASHERS AND LAG SCREWS.—Cambridgeport, Mass.—Walter W. Field, 117 Main St., writes us that he wishes to buy the above by the wholesale.

WIRE GLASS WINDOW PANES.—Scranton, Pa.—F. G. Wolfe, Ch. Engr. Scranton Coal Co., writes us that he wishes to be placed in communication with manufacturers of the above.

SMALL ELECTRIC MOTORS.—White Plains, N. Y.—W. W. Young, C. E., writes us that he wishes to secure data relating to small electric motors for driving pumps, etc.

IRON, STEEL, ETC.—Mexico.—The Mexican Car & Fdy. Co., 404 Avenida Juarez, Mexico City, is understood as in the market for the equipment for its proposed car wheel plant.

STEEL CURB NOSE.—Brooklyn, N. Y.—The Randel & Small Cement Const. Co., 242 Rutledge St., writes us that it wishes to correspond with manufacturers of steel curb nose, used in concrete curbing.

ENGINES AND BOILERS.—Baltimore, Md.—The Maryland Heat, Light & Power Co., Andrew Westervelt, Secy., 320 West Mulberry St., Baltimore, and Adolph Meyer, Secy., of Lake Charles, La., are in the market.

MACHINE TOOLS.—Manchester, Va.—The Eureka Furniture & Mfg. Co., 414 West 15th St., is understood to be in the market for saws, planers, sanders, molders, shapers, boring machines, sand drum, etc., for its new factory.

SAND LIME BRICK.—Wilkesbarre, Pa.—The Brodhead Contracting Co., 32 Peoples' Bank Bldg., writes us that it wishes data relating to sand lime brick. Lists of engineers, contractors, etc., using the same is required.

SEPTIC TANKS.—Liberty, Sullivan County, N. Y.—We are informed the Loomis Sanitarium, at Liberty Heights, contemplates installing a new sewage disposal system, and wishes to secure data relating to septic tanks.

NOISELESS CHAIN BELT.—Stockton, Cal.—O. P. Phillips, C. E., 1334 Spruce St., Berkeley, Cal., writes us that he wishes to be placed in correspondence with manufacturers of noiseless chain belts, which is "slightly different from that of the ordinary link belt."

CONCRETE MEASURING MACHINES.—Philadelphia, Pa.—H. P. Daile, 1322 South Broad St., writes us that he wishes the names and addresses of makers of machines for measuring the ingredients of concrete and other granular materials.

BRICK.—Cleveland, O.—The Sam'l Austin & Son Co., contractors, 1257 Broadway, Cleveland, writes us that it is interested in brick manufactures as well as contracting, and it wishes to be placed in correspondence with the manufacturers of same.

ENGINEERING SUPPLIES.—New York, N. Y.—We are informed that the Board of Water Supply of New York City has opened offices at 280 Broadway, and J. Waldo Smith, Ch. Engr., is desirous of receiving catalogues and price-lists of engineering supplies.

ELECTRICAL EQUIPMENT.—It is stated that electrical supplies are wanted by the Percival Wood Preserving Co., 107 Opera House Bldg., Houston, Tex.; L. C. Lodge, 165 Lake Charles, La.; E. E. Fullerton, of Greenup, Ky., and the Maryland Heat, Light & Power Co., 320 West Mulberry St., Baltimore.

SAND LIME BRICK MACHINERY.—W. P. Robertson, of Madison, Ga., and J. H. Merrill, of Thomasville, Ga., are reported in the market for machinery for making the above. The former will also be in the market for three, 15, 20 and 40-HP., steam engines; two 40-HP. return tubular boilers and one 50-HP. boiler.

RAILWAY SUPPLIES.—Chili.—D. Palacios Olmedo (Casilla 1235), Santia de Chile, writes us that there will be required the following for the proposed railway in which he is interested: Box and grated cars for animals, cars of steel for explosives, first and second-class passenger cars of 30 to 40 passengers capacity, freight and passenger locomotives of 35 to 40 tons weight, 25 to 45 km. per hour, wharves, piers, elevators, loading and unloading and conveying machinery, bins, labor-saving machinery, etc. Catalogues, prices and full particulars are wanted at once. The country to be traversed by this line is arid and sandy, rain being almost unknown. Other material and machinery wanted for this project was noted in our July 27 issue.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DREDGING.—Seattle, Wash.—Bids are asked until Aug. 19 for dredging Grays Harbor and Chehalis River, Wash. Major John Millis, U. S. Engrs.

COAL BREAKER.—Scranton, Pa.—Delaware, Lackawanna & Western R. R., care Wm. H. Loomis, is stated to be having plans prepared for a large coal breaker.

DREDGING.—Pittsburg, Pa.—Bids are asked until noon, Aug. 10, for dredging approach to Lock No. 6, Ohio River. Major Wm. L. Sibert, U. S. Engrs.

DRAINS.—Cincinnati, O.—Bids are asked by County Commissioners until noon, Aug. 11, for constructing drains and approaches on Miami River Road, Miami Township.

DREDGING.—Portland, Me.—Bids are asked until Aug. 31 for dredging at Kennebec River, Me. Lt.-Col. W. M. Black, U. S. Engrs. (Advertised, Engineering News.)

DREDGING.—New London, Conn.—Bids are asked until noon, Aug. 26, for dredging in West River. Lt.-Col. C. F. Powell, U. S. Engrs. (Advertised, Engineering News.)

DITCH.—Plymouth, Ind.—Bids are asked by John C. Butler, Construction Comr., until Aug. 7 for construction of Wolf Creek Ditch. Ditch will be 6¾ miles long and average depth will be 6½ ft.

DREDGING.—Cleveland, O.—Bids are asked by A. R. Callow, Secy. Bd. Pub. Serv., until noon, Aug. 4, for dredging and improving Cuyahoga River. About 400,000 cu. yds. of material are to be disposed of.

LOCK AND DAM.—Nashville, Tenn.—Bids are asked until 11 a. m., Aug. 31, for building concrete lock and dam No. 21, Cumberland River. Maj. H. C. Newcomer, U. S. Engrs. (Advertised, Engineering News.)

BREAKWATER EXTENSION.—Newport, R. I.—Bids are asked until Aug. 30 for constructing extension to shore arm of breakwater at Point Judith, R. I. Lt.-Col. J. H. Willard, U. S. Engrs. (Advertised, Engineering News.)

TUNNEL.—Pittsburg, Pa.—J. H. Milholland, Engr., 326 Fourth Ave., Pittsburg, is stated to have prepared plans for the tunnel which the Crosstown Tunnel Co. proposes to build under Boyd's Hill. Tunnel will cost about $350,000.

DITCH WORK.—Valparaiso, Ind.—Bids will be received at the law office of Frank B. Parks, Valparaiso, until Aug. 11 for constructing Hutton Ditch, which is to be 14 miles long, with an average width of 22 ft. and depth of 7 ft.

SANITARY FIXTURES.—Washington, D. C.—Bids are asked by D. W. Ross, Gen. Purchasing Officer, Isthmian Canal Commission, until 10.30 p. m., Aug. 28, for furnishing bath tubs, water closets, showers, sinks, etc. (Advertised, Engineering News.)

WALL.—New York, N. Y.—Bids are asked by Park Board, John J. Pallas, Pres., until 3 p. m., Aug. 10, for furnishing all the labor and material to erect an Ohio sandstone wall on a concrete foundation along Prospect Park West, from Fifth St. to 15th St., Borough of Brooklyn.

DITCH WORK.—South Bend, Ind.—Bids are asked by Titus E. Kinzie, Construction Comr., at county surveyor's office, South Bend, until 10 a. m., Aug. 9, for construction of a ditch, requiring 30,800 cu. yds. dredge work in main ditch; 13,450 cu. yds. are to be excavated from laterals.

CONCRETE WORK.—Newark, N. J.—Bids are asked by Essex Park Commission, A. Church, Secy., until 3.30 p. m., Aug. 15, for construction of concrete foundations, coursed rubble masonry, and furnishing and setting bluestone steps, coping, etc., in several parks. (Advertised, Engineering News.)

REMOVING ENGINES, ETC.—Chicago, Ill.—Bids are asked by Board of Cook County Commissioners, Wm. McLaren, Supt. Pub. Serv., until 1 p. m., Aug. 7, for removing two engines and dynamos from engine room in Cook County Court-House and reinstalling same. (Advertised, Engineering News.)

TIMBER TRACT.—Everett, Wash.—Folks Logging Co., recently incorporated with $100,000 capital, is stated to have secured a 2,200-acre timber tract near this city. A saw mill is to be erected, a logging railroad built and a town established. Frank R. Pendleton, Everett, is Gen. Mgr. and James Harris, Janesville, Wis., is Pres.

SUBWAY.—Boston, Mass.—Contract originally awarded to Jones & Meehan, Boston, for building that section of the new Washington St. subway between Boylston St. and Hayward Pl., is stated to have been given up by that firm and subsequently reawarded to HARRY NAWN, Boston. Contract was said to have been about 30% completed.

PEAT LAND RECLAMATION.—Stockton, Cal.—We are informed that the Middle River Navigation & Canal Co. and the Rindge Navigation & Canal Co., represented by O. P. Phillips, are reclaiming large tracts of peat land in California, and are especially interested in ditching machines and anything looking to irrigation.

LUMBER, STEEL, ETC.—New York, N. Y.—Bids are asked by George E. Best, Bridge Comr., 13 Park Row, until 2 p. m., Aug. 14, for furnishing and delivering white, yellow and North Carolina pine, spruce and oak lumber, spruce poles, etc.; also for furnishing and delivering tool steel, plates and shapes, rounds and flats, wrought pipe, buckles and bolt ends, chains, nails, spikes, screws, bolts, rivets, washers, rails, tools, window glass, hardware supplies, etc.

SAND, METERS, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, until 10 a. m., Aug. 15, for furnishing a quantity of naval supplies, among which are the following: Schedule 51—Sand, gravel, water meters, etc; Schedule 52—mi-

canite, mica, keyboard, generating sets, conductor, slate, cotton twine and sheeting, screws, crucible steel wire, hardware, crucibles, forges, saw-filing machine, library books, leather belting, strip copper, sheet and rod brass, sheet steel, rubber hose, tar, tar oil, brass tubing, steam traps, foundry facings; Schedule 53—starting panels, window frames; red, fire and paving brick; Potomac gneiss, Portland cement, lime, etc.; bolts, nuts, rivets blower; pine, bronze and iron castings, steel angles and plates, galvanized sheet iron, iron pipe and pipe fittings, blueprint paper; Schedule 54—ventilating fan, rivets, sash pulleys, ash, staves, bar iron and steel, sheet zinc and copper. H. T. B. Harris, Paym.-Gen., U. S. N.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

*SEWERS.—Ogden, Utah.—Following bids were received July 22 at office of A. F. Parker, Cy. Engr., for constructing sewers in Sewer District No. 10; an alternate bid, totaling $59,832, was submitted by J. P. O'Neill, the bid being on Parmley's patent concrete block sewer; the other bids are for vitrified tile pipe: (1) James Kennedy, Fargo, N. Dak., (2) J. P. O'Neill, Ogden, Utah, (3) Gilmartin & Zitzman, Ogden, Utah, (4) Hanley & Ritchie, Topeka, Kan., (5) P. J. Moran, Salt Lake City, Utah:

*SEWERS.—Ravena, O.—Bids were received June 24 by S. J. Post, Village Clk., for constructing sewers, the three lowest bids being as follows: (1) S. W. Parshall, Akron, O.; (2) John O'Neil, Akron, O.; (3) W. J. Townsend Co., Cleveland, O. W. E. Myers, Engr., Kenton, O.:

	(1)	(2)	(3)
Earth excavation, 4,807 cu. yds.	$0.20	$0.16	$.030
Concrete, 200 cu. yds.	6.00	4.00	5.00
Cast-iron pipe, 25 tons	26.00	40.00	35.00
Lampholes, 67	2.00	1.00	6.00
Manholes, 113	25.00	25.00	30.00
Flush tanks, 65	25.00	22.00	28.00
Lumber	20.00	30.00	18.00
9,634 ft. 15-in. sewers laid	.44	.35	.40
1,968 ft 12-in. sewers, laid	.27	.26	.32
2,025 ft. 10-in. sewers, laid	.20	.19½	.20
82,555 ft. 8-in. sewers, laid	.14	.13	.16
Excavation and back fill:			
Cut 0— 6 ft., 5,720 ft.	.15	.16	.30
Cut 6— 8 ft., 45,879 ft.	.25	.23	.30
Cut 8—10 ft., 29,020 ft.	.25	.28	.30
Cut 10—12 ft., 4,976 ft.	.55	.38	.38
Cut 12—14 ft., 4,301 ft.	.65	.50	.48
Cut 14—16 ft., 570 ft.	2.00	1.00	.65
Cut 16—18 ft., 1,900 ft.	2.00	1.00	.80
Cut 18—20 ft., 206 ft.	3.00	2.00	1.08
Cut 20 ft. and over, 3,710 ft.	2.50	2.50	1.65
Totals	$63,435	$57,743	$63,437

Bids received at Ogden, Utah, July 22, 1905, at office of A. F. Parker, City Engineer, for Constructing Sewers in Sewer District No. 10.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)
3-in. tile pipe in place	36,000 lin. ft.	.07	.07	.08	.10	.06
6-in. " "	765 "	.35	.33	.36	.20	.37
8-in. " "	24,690 "	.54	.45	.49	.35	.40
10-in. " "	4,560 "	.68	.58	.72	.45	.60
12-in. " "	760 "	.77	.70	.87	.60	.77
15-in. " "	1,543 "	1.25	1.17	1.28	.90	1.09
18-in. " "	1,543 "	1.72	1.34	1.77	1.25	1.55
21-in. " "	1,731 "	2.35	1.85	2.55	1.65	2.16
24-in. " "	3,042 "	2.72	2.50	3.20	2.10	2.66
Brick manhole, 5' diam. 13' deep	5	72.00	60.00	89.00	70.00	75.00
" 5' diam. 11' deep	25	67.00	55.00	75.00	64.00	65.00
" 5' diam. 9' deep	19	64.00	50.00	65.00	58.00	55.00
" 4' diam. 13' deep	7	67.00	45.00	82 00	56.00	70.00
" 4' diam. 15' deep	1	69.00	50.00	89.00	66.00	75.00
" 4' diam. 11' deep	22	61.00	45.00	72.00	60.00	60.00
" 4' diam. 9' deep	30	53.00	40.00	69.00	55.00	50.00
" 4' diam. 7' deep	25	54.00	38.00	75.00	48.00	45.00
Trench, for 6" pipe, 13' deep	765 cu. yds.	1.00	.61	.91	1.30	.80
" 8" " 7' "	3,800 "	.65	.50	.60	1.00	.50
" 8" " 9' "	17,250 "	.75	.60	.90	1.10	.70
" 8" " 11' "	2,140 "	.80	.64	.88	1.30	.75
" 8" " 13' "	1,500 "	1.00	.70	.89	1.50	.75
" 10" " 9' "	2,250 "	.80	.60	.85	1.30	.70
" 10" " 11' "	1,125 "	.90	.70	.91	1.40	.80
" 10" " 13' "	1,191 "	1.10	.80	1.05	1.60	.90
" 12" " 11' "	760 "	1.10	.70	1.00	1.50	.85
" 15" " 11' "	1,543 "	1.10	.82	1.12	1.60	.95
" 18" " 9' "	543 "	1.10	.74	.94	1.50	.80
" 18" " 11' "	1,000 "	1.30	.93	1.10	1.80	.95
" 21" " 11' "	1,731 "	1.50	.97	1.24	2.00	1.10
" 24" " 13' "	3,042 "	2.00	1.37	1.55	2.40	1.30
Extra excavation	200 "	2.00	.50	1.95	2.00	1.50
Gravel filling	200 "	2.00	.40	1.80	2.00	1.50
Extra concrete	25 "	6.00	7.00	11.00	8.00	10.00
Lumber left in trench, per M	15,000	20.00	20.00	38.00	30.00	36.00
Totals		$84,193	$65,727	$85,931	$83,038	$70,708

*CONCRETE SEWERS.—Washington, D. C.—Following bids were received July 24 by District Commissioners, D. E. McComb, Supt. Sewers, for construction of concrete sewers in several streets, the bid per lin. ft. including excavation, but does not include repaving: (1) Sullivan Bros., Philadelphia, Pa., (2) J. H. Louchheim, Philadelphia, Pa., (3) J. Connelly Construction Co., Cleveland, O.:

*DREDGING.—Norfolk, Va. — Following bids were received July 3 by Capt. E. Eveleth Winslow, U. S. Engrs., for (1) 130,000 cu. yds at Punier Point; (2) 100,000 cu. yds., Elizabeth River, Va., and (3) removing wreck: Sanford & Brooks Co., Norfolk, Va., (1) 12.9 cts., (2) 10 cts., (3) $1,000; Coastwise Dredging Co., Norfolk, Va., (1) 8.9 cts., (2) 95 cts., (3) $950; Norfolk Dredging Co., Norfolk, Va., (1) 8.3 cts., (2) 89 cts., (3) $500.

Bids received at Washington, D. C., July 24, 1905, by District Commissioners, D. E. McComb, Supt. Sewers, for Construction of Concrete Sewers in Several Streets.

Items.	Quantities.	(1)	(2)	(3)
Earth Excavation	20,275 cu. yds.	$1.46	$1.51	$1.50
Brick masonry	225 "	12.00	13.25	14.00
Vitrified brick masonry	325 "	21.00	19.50	21.50
Concrete, B	1,470 "	7.40	7.50	7.75
Concrete, C	1,230 "	6.90	7.30	7.75
6-in. under-drain	3,384 lin. ft.	.25	.25	.30
Totals		$59,337	$60,784	$62,490

WATER MAINS.—Havre, Mont.—Following bids were received July 18 by Mayor and Council. C. W. Swearingen, Cy. Engr., for installation of system of water mains and reservoirs: (1) Fuller & Bossout, Havre, Mont.; (2) Lease & Richards, Havre, Mont.; (3) J. H. Donlin, Great Falls, Mont.:

Bids Received on July 18, 1905, for Installing a System of Water-Mains and Reservoir at Havre, Mont.

	(1)	(2)	(3)
1 cu. yd. solid rock, excavation and refill	$3.50	$4.50	$5.00
1 cu. yd. soft rock, excavation and refill	2.50	2.50	2.25
10,000 cu. yds. earth, excavation and refill	.48	.60	.65
2,622 ft. 4-in. cast iron pipe in place	.70	.67½	.68
13,620 ft. 6-in. cast iron pipe in place	1.08	1.07½	1.06
5,225 ft. 8-in. cast iron pipe in place	1.52	1.54	1.69
358 ft. 10-in. cast iron pipe in place	2.20	2.15	2.06
1,985 ft. 10-in. wooden stave pipe in place	.70	.71½	.62
44 hydrants (Ludlow) in place	54.00	50.85	46.00
46—6-in. x 12 ft. hydrant connections in place	13.00	14.56	13.20
4—4-in. Ludlow gate valves in place	12.00	11.27	10.20
31—6-in. Ludlow gate valves in place	17.00	18.00	16.25
13—8-in. Ludlow gate valves in place	25.00	25.76	24.34
1—10-in. Ludlow gate valve in place	37.00	33 86	35.74
49 valve boxes in place	6.00	7.00	6.25
18,360 lbs. special castings in place	.05	.07½	.06
2,000 ft. lumber for sheathing	20.00	31.00	25.00
1,900 cu. yds. earth, excavation and embankment	.52	.60	.60
310 cu. yds. concrete in place	11.00	11.20	14.50
75 cu. yds. broken stone in place	4.00	3.10	4.00
12,000 ft. B.M. lumber in place	26.00	31.00	25.00
1 gate chamber complete	76.00	115.00	200.00
1 gate house	52.00	100.00	125.00
All pipe, valves, specials in place complete	635.72	806.00	905.91
Totals	$42,413	$44,488	$45,982

*BRIDGE ABUTMENTS, ETC.—Providence, R. I.—Following bids were received July 20 by Walter F. Slade, Comr. Pub. Wks., for constructing abutments and piers at Point St. bridge; (1) Frederick E. Shaw, Providence, R. I., (2) Tank & McKinnon Construction Co., Providence, R. I.:

Bids received at Providence, R. I., July 20, 1905, by Walter F. Slade, Comr. Public Works, for Constructing Abutments and Piers at Point Street Bridge.

Items.	Quantities.
Excavation	3,460 cu. yds.
Riprap	350 "
Concrete	480 "
Spruce piles	676 "
Hemlock platform	46,400 feet
Abutment masonry	392 cu. yds.
Cut stone masonry	135 "
Pier masonry	859 "
Totals	

*DREDGING.—Chicago, Ill.—Following bids were received at U. S. Engineers' Office for improving harbor at Chicago; $90,000 is to be spent for the work; (1) bid per cu. yd., for 500,000 cu. yds. deposited in location A, (2) bid per cu. yd. for 720,000 cu. yds. deposited in location B, (3) bid per cu. yd. for 647,482 cu. yds. deposited in location C:

Bids received at U. S. Engineer's Office, Chicago, Ill., for Improving Harbor at Chicago.

Name and Address.	(1)	(2)	(3)
Fitz Simons & Connell Co., Chicago, Ill.	18 cents	12.5	13.9 cents
Lake Superior Contracting & Dredging Co., Duluth, Minn.	20 "	16 "	16 "
L. P. & J. A. Smith Co., Cleveland, O.	20 "	15.5	15 "
Buffalo Dredging Co., Buffalo, N. Y.	....	13	14 "
*Great Lakes Dredge & Dock Co., Chicago, Ill.	14 "	10.5 "	10.5 "

*PIPE SEWER. — Dayton, O.—Following bids were received July 27 by Wm. F. Miller, Clk. Bd. Pub. Serv., for constructing sanitary sewers in District No. 5; (1) M. O. Herron & Co., Dayton, O., (2) James Reid, Dayton, O., (3) Paul & Kershner, Dayton, O.:

Bids received at Dayton, O., July 27, 1905, by Wm. F. Miller, Clerk Board of Public Service, for Constructing Sanitary Sewers in District No. 5.

Items.	Quantities.	(1)	(2)	(3)
Furnish and laying sewer pipe, including Y's, special pieces and joints:				
6-in	400 lin. ft.	.12	.14	.12
8-in.	27,560 "	.18	.20	.20
10-in.	850 "	.24	.25	.25
12-in.	1,360 "	.31	.35	.30
15-in.	400 "	.50	.45	.40
18-in.	420 "	.65	.60	.55
12-in. iron pipe	48 "	2.00	2.00	1.50
Excavating and back filling:				
Less than 6 ft.	2,155 feet	.20	.20	.20
6 ft. to 8 feet	21,558 "	.28	.27	.30
8 ft. to 10 ft.	6,060 "	.40	.41	.50
10 ft. to 12 ft.	1,200 "	.60	.57	.75
12 ft. to 14 ft.	65 "	1.40	1.00	1.00
Manholes	98	25.00	27.00	30.00
Lampholes	43	2.50	3.00	5.00
Flushtanks	41	50.00	29.00	60.00
Sheeting lumber left in, per 1,000 ft. B. M.	20 M. ft.	1.00	1.00	20.00
Repaving:				
Brick	1,320 sq. yds.	1.25	2.00	3.00
Asphalt	780 "	2.00	3.00	3.00
Boulder	4,140 lin. ft.	.06	.10	.10
Flushtank connections:				
Lead pipe laid without trench	1,260 lin. ft.	.18	.20	.20
Lead pipe laid with trenching	975 "	.30	.30	.40
Corporation cocks and specials	41	7.00	11.00	10.00
Totals		$24,705	$26,331	$31,278

PIPE AND CASTINGS.—New York, N. Y.—Following bids were received July 5 by John T. Oakley, Comr. Water Supply, Gas and Electricity for furnishing pipe and special casting; (1) bid per ton for 2,750 tons straight pipe; (2) bid per ton for 100 tons special castings: W. J. Drummond, 182 Broadway, (1) $26.44, (2) $56; Warren Foundry & Machine Co., 170 Broadway, (1) $25.70, (2) $54; U. S. Cast Iron Pipe & Foundry Co., 71 Broadway, (1) $24.95, (2) $48; Camden Iron Works, Camden, N. J., (1) $26.80, (2) $54.

U. S. POSSESSIONS AND CUBA.

PHILIPPINE CERTIFICATES. — Philippines.—The Philippine Commission has passed an act authorizing the Secretary of War to issue $1,500,000 of Philippine temporary certificates. Bids for subscriptions to this issue will be received by Chief of the Bureau of Insular Affairs, War Department, Washington, D. C., until Aug. 25.

BRIDGES.—Porto Rico.—Bids are asked by Bureau Public Works, J. J. Jimenez, Supt., San Juan, P. R., until 10 a. m., Sept. 30, for furnishing and erecting, or for furnishing only, on the dock at San Juan, a steel riveted through truss highway bridge of 266 ft. span. Bids are also asked on a steel riveted lenticular or double bowstring through truss highway bridge of 100 ft. span. Map of the locality, profile of line and specifications may be obtained at office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

MEXICO.

RAILWAY.—Indaparapeo, state of Michoacan.—The Mexican Flume & Lumber Co., of Indaparapeo, is building about 13 miles of narrow gage, 36-in., railway to their timber properties in the state of Michoacan to connect with the Mexican National Railroad. They are in the market for railroad supplies, track fittings, cars, switches, etc. The same company will also shortly be in the market for another saw mill of 50,000 ft. capacity. Chas. F. Parker, Ch. Engr., Indaparapeo.

STREET RAILWAY.—Santa Rosalia, state of Chihuahua.—At a recent meeting of the stockholders of the company that was formed to build and operate a system of electric street railway here steps were taken towards the immediate construction of the system. A large dam will be built across the Conchos River in order to afford power to generate the electrical energy to build electric lines through the principal streets of Santa Rosalia. The Encinillas Co. and to the smelter of the Encinillas Co. and to the town of Springs situated some distance from the town. Paul Ginther can inform.

STREET RAILWAY.—Mexico City.—The sale of the two street railways of Mexico City to a syndicate of Canadian capitalists, as heretofore announced, has been consummated. It is stated that the new owners will take formal possession of the two properties July 1, and that thereafter they will begin the work of converting the consolidated system into electric lines. [illegible]

J. A. Robertson, of Monterey, is the local representative of the new owners.

QUARRIES.—Jimulco, state of Coahuila.—A syndicate of French capitalists has leased for a term of years, with an option to purchase for $2,300,000, the extensive marble quarries situated near here, which are owned by Amador Cardenas. The syndicate is preparing to operate the quarries on a large scale, and with that end in view machinery will be installed and a railroad built to connect the quarries with the station of Jimulco, on the Mexican Central Railroad.

INDUSTRIAL NOTES.

THE LOS ANGELES (Cal.) office of the Westinghouse Electric & Mfg. Company, which has heretofore been in the Trust Building, has been removed to No. 527 South Main Street.

GEO. H. HEWES, 42 Broadway, New York, announces that he has been appointed N. Y. agent for the Pittsburg Filter Mfg. Co., the Eastern Bridge & Structural Co., the Erie Machine Shops and the Indiana Road Machine Co.

THE DAYTON HYDRAULIC MACHINERY CO., of Dayton, O., R. E. Spencer Geare, M. E., Sales Mgr., has opened a New York branch office at 133 Liberty St. It will carry a line of Brooks' centrifugal pumps, of which it is exclusive manufacturer.

WM. B. SCAIFE & SONS CO., Pittsburg, Pa., reports that a steel frame trestle approach 200 ft. long will be erected at Franklintown, Pa., for the American Lime and Stone Co., and the work is being done by them, who also furnished the design for same.

THE RATEAU STEAM TURBINE CO., 225 La Salle St., Chicago (I. Batta, President), has made arrangements with the Ball & Wood Co., of New York, and the Western Electric Co., of Chicago, for the manufacture of the Rateau steam turbine, which is already in extensive use in Europe.

THE J. G. WHITE CO., N. Y., reports that its operations in London building circles include the office building for the International Navigation Co. and the New Ritz Hotel, now being constructed. The latest contract is for the construction of an apartment house adjoining the French Embassy on Knight's Bridge, London, W. C., facing Hyde Park.

THE INGERSOLL RAND CO. will take possession of its new offices on the 14th floor of the Bowling Green Building, 11 Broadway, New York, on August 1st. At that time

the offices of the Ingersoll-Sergeant Drill Company at 26 Cortland Street and the Rand Drill Company at 128 Broadway will be given up and the united forces moved to the new offices.

THE BUILDERS' IRON FOUNDRY, Providence, R. I., has secured the contract for a five million gallon d'Auria pumping engine for the city of Woonsocket, R. I. The engine will be of the horizontal tandem compound duplex high duty type, and will pump against a water pressure of 100 pounds and a steam pressure of 165 pounds. Messrs. Dean & Main were the consulting engineers.

THE CROCKER-WHEELER CO., of Ampere, N. J., through its New York branch has secured an order that calls for two size 808 Crocker-Wheeler engine type direct current generators, with a capacity of 10,000 amperes and 105 volts. These will be special machines with 22 poles. The speed will be 100 R. P. M. They will be installed at Carteret, N. J., in a plant where there are at present four Crocker-Wheeler generators of varying capacity up to 750 kilowatts.

THE ROBINS CONVEYING BELT CO., of New York, now has on hand the following contracts: One for additional belt conveyors for the Chicago East Plant of the Semet Solvay Co.; an order for the mast and gaff rig and belt conveyors for the N. Y. Contracting & Trucking Co., for use in excavating work at the Pennsylvania R. R. station in this city; and the contract for a belt conveyor to be used by F. N. Stillman & Co., of Jersey City, N. J., in connection with some large excavating work which they now have on hand.

THE SULLIVAN MACHINERY CO., Chicago, announces that Mr. R. D. Hunter, formerly district manager of the Sullivan Machinery Co., at Denver, Colo., has been appointed general sales manager of the company, with headquarters in the Railway Exchange Bldg., Chicago. Mr. W. P. J. Dinsmoor, for several years connected with the Denver office, succeeds Mr. Hunter as district manager. Mr. Matt. Brodie, formerly of the Pittsburg office, has been appointed local manager of the Salt Lake branch, with offices at 128 Keith Bldg.

THE ABNER DOBLE CO., engineers, of San Francisco, has recently secured the contract for the machinery to be installed in an addition to the hydro-electric plant of the Cramer Electric Co., successor to the Idaho Electric Supply Co., at Hailey, Idaho. This contract covers the entire water power and electrical apparatus and includes a 400-KW. alternator directly driven by an 800-HP. set of water wheels, exciter and governor; three-panel marble switchboard, two 25-light arc transformers and 50 arc lamps with regulators, switchboards and other accessories; 14 transformer sand other supplies for the distribution system.

THE LAWRENCE PUMP & ENGINE CO., of Lawrence, Mass., has been busy on orders for its improved "Vortex" centrifugal pumps, and report the following recent shipments: Standard Oil Co., American Woolen Co; Kimberly & Clark Co., Neenah, Wis.; International Paper Co.; F. W. Bird & Son, East Walpole; Bryant Paper Co., Kalamazoo, Mich.; St. George Pulp & Paper Co., Norwalk, Conn.; The Fiberloid Co., Indian Orchard, Mass.; Alkali Rubber Co., Akron, O.; Lawrence Mfg. Co., Lowell, Mass.; M. T. Stevens & Sons Co., North Andover, Mass.; N. E. Cotton Yarn Co., Taunton, Mass., and others. A new booklet has been issued containing interesting information about centrifugal pumps, and will be mailed upon request.

THE UNIT-CONCRETE-STEEL FRAME CO., Philadelphia, announces that it has associated with it in its future business Mr. Albert C. Middleton, Secretary and Director of the Victor Talking Machine Co., Camden, N. J., Mr. Walter F. Ballinger and Mr. Emile G. Perrot, both members of the firm of Ballinger & Perrot, architects and engineers, of Philadelphia, also Mr. Samuel R. Horn and Mr. John G. Brown. To increase its financial resources to handle a much larger business than it carried on in the past year, the company has formed a corporation under the laws of N. J., and the above mentioned gentlemen will act as follows: Albert C. Middleton, President; Emile G. Perrot, Vice-President; Walter F. Ballinger, Treasurer; Saml. R. Horn, Secretary; John G. Brown, General Manager.

THE PELTON WATER WHEEL CO., of San Francisco and New York, has just closed contract for a water wheel installation for D. J. Aguirre & Co., of Tepic, Mex. The head available is 175 ft., and the plant consists of two Pelton wheel units of 700 HP. capacity, each direct connected to 300 R. P. M. general electric generators, also two Pelton wheel units for driving exciters. Sturgess oil type governors will be used. Pelton wheels are universally employed at the sugar plantation of Aguirre & Co., there being six wheels at present employed for driving heavy sugar rolls by means of direct connection, machine shops, electric lighting, etc. It is worthy of note that the export trade in Pelton wheels has largely increased in the past year, this company having made large shipments to Central and South America, Japan and the Strait Settlements. Indications for further increase in these directions are most favorable.

THE MARINE ENGINE & MACHINE CO., manufacturer of electric elevators, has removed its offices to 126 Liberty St., N. Y., where it occupies the entire fourth floor. This company has recently secured the following contracts: The Hutchins Building, at southeast corner of 5th Ave. and 39th St., C. P. H. Gilbert, architect, Thompson-Starrett Co., builders, four of their direct connected electrically controlled elevators. The College of the City of New York, Geo. B. Post, architect, Thos. Dwyer, builder, eleven electric elevators. One tandem electric elevator for building of the New Orleans Railways, Sanderson & Porter, engineers. One electric elevator in the Hartford Building, 17th St. and Union Sq., this city. Two electric elevators for the Pennsylvania Rail Road Co., at Long Island City, Westinghouse, Church, Kerr & Co., engineers. One electric elevator for the Willett Realty Co.'s new building at West End Ave. and 82d St., Carlton Strong, architect; and one automatically controlled residence lift for C. W. Luyster, at No. 16 East 67th St.

THE UNITED STATES STEEL PILING CO., 135 Adams St., Chicago, report the following recent sales: 11,000 sq. ft., 22-ft. lengths, for use in connection with the Belle Fourche, So. Dakota Irrigation project of the U. S. Government; 5,500 sq. ft., 16-ft. lengths to the Water Department of the City of Los Angeles, Cal.; 3,000 sq. ft. in 5, 7, 12, 17 and 30-ft. lengths for circular caissons for the foundations and for retaining walls for the new Brevoort Hotel, to be erected on Madison St., near La Salle St., Chicago; 1,800 sq. ft., 14-ft. lengths, for use in connection with foundation work for the Annex to the Tribune Bldg., New York; 2,000 sq. ft. 20-ft. lengths, for cofferdams in the building of a bridge over the Tuscarawa River and Ohio Canal at Canal Dover, O.; 2,500 sq. ft., 16-ft. lengths, for use in bridge work on the Norfolk & Western R. R., in Ohio; 1,700 sq. ft., for use in bridge work on the Wabash R. R. in Mich.; an order to the Lehigh & Wilkesbarre Coal Co., Wilkesbarre, for lining a deep well; another to the Big Muddy Coal & Iron Co., of Murphysboro, Ill., for coal mine shafts. All of the steel piling for the above orders has already been shipped from the Homestead Works of the Carnegie Steel Co.

THE POWER SPECIALTY CO., New York, reports during the past few months a number of orders for superheaters, showing the increasing popularity of superheated steam for a great variety of purposes, such as electric lighting and power plants, water-works pumping stations, manufacturers, chemical works and gas works, including the following: Louisville Water-Works; Ridgewood Pumping Station, Brooklyn; Wilmington, Del., Water-Works; Milwaukee Water-Works; Sears-Roebuck & Co.; Mandel Bros.; Western Cold Storage Co.; Allen B. Wrisley Co., Chicago; Little Rock Railway Co.; Philadelphia Electric Co.; Terre Haute Traction Co.; Wheeling Electric Co.; Nassau Light & Power Co.; Fairmont & Clarksburg Railway Co.; Independent Light, Heat & Power Co., El Paso, Tex.; Pfister & Vogel Leather Co., Milwaukee; American Locomotive Works, Schenectady; Acker Process Co., Niagara Falls; Eaton, Cole & Burnham Co., Bridgeport, Conn.; International Harvester Co.; Illinois Steel Co.; Tide Water Oil Co.; U. S. Naval Gun Factory, Washington, D. C. Several of these orders are for equipments of batteries of 6 or 8 boilers of from 400 to 600 HP. The Washington Navy Yard order is for 5 300-HP. superheaters, to be attached to B. & W. boilers, to give superheat of 125° at 200 lbs. pressure. This contract is a duplicate of two others which have already been completed by the Power Specialty Co. for the government at this point and completes the equipment of the 15 boilers in the power house at the Navy Yard.

TRADE PUBLICATIONS.

STEAM PUMPS, POWER PUMPS, AIR COMPRESSORS. — Weinman Machine Works, Columbus, O.; Thos. P. Conard, Eastern Agent, 119 South 4th St., Philadelphia. Small illustrated folder.

WINDMILLS.—Flint & Walling Co., Kendallville, Ind. Paper; 3 × 6 ins.; illustrated.

The Star windmill is here described with the aid of small but effective half-tones; a few words are said about tanks and hand and windmill pump.

EXPANSION BOLTS.—The Star Expansion Bolt Co., 136 Liberty St., New York City. Paper; 6 × 3 ins.; pp. 16; illustrated.

This is a priced and dimensioned catalogue of an expansion bolt consisting of but two parts: the bolt and the expansion shield. The latter is supplied separately if desired.

LEAD FURNACES AND PIPE LINE SUPPLIES.—J. Edward Ogden Co., 147 Cedar St., New York City. Paper; 6 × 3 ins.; pp. 20; illustrated.

Lead furnaces and pots on wheels and on legs, gasoline furnaces, pouring bowls, calking tools, jointers and tapping machines are included herein.

WATER SOFTENING AND PURIFYING SYSTEMS.—Wm. B. Scaife & Sons Co., 221 First Ave., Pittsburg, Pa. Paper; 3 × 6 ins.; pp. 12; illustrated.

Both Scaife and We-Fu-Go installations are shown by means of half-tones. The capacities of the plants illustrated range from 1,250 to 12,000 HP.

TANK AND VACUUM PUMPS.—American Steam Pump Co., Battle Creek, Mich. Paper; 6½ × 7½ ins.; pp. 24; illustrated.

Full tabular descriptions of a variety of tank and vacuum pumps are placed on pages opposite half-tone illustrations of the same type of pump. Two pages of descriptive text precedes this matter.

DEEP-WELL PUMPING ENGINES.—American Steam Pump Co., Battle Creek, Mich. Paper; 6½ × 7½ ins.; pp. 16; illustrated.

Sectional drawings and half-tones are used to illustrate these compact deep-well steam pumps. Text and tabular matter are also employed.

CONCRETE BUILDING BLOCKS.—Hanna Engineering Works, 820 Elston Ave., Chicago. Paper; 11 × 8 ins.; pp. 4; illustrated.

The Schall blocks are ribbed slabs or plates, and can be built up into walls with single or double air spaces. One molding machine will make all sizes and shapes of these blocks.

HOISTING AND STEERING ENGINES.—Williamson Bros. Co., Philadelphia, Pa. Paper; 6 × 9 ins.; pp. 115; illustrated.

This pamphlet illustrates and gives sizes and prices of a large line of hoisting and steering engines made by this company. Ash hoists, ship hoists, locomotive cranes, evaporators and distillers are also made by the firm.

PROGRESS IN SEWAGE TREATMENT.—Merritt & Co., 1022 Ridge Ave., Philadelphia, Pa. Paper; 6 × 9 ins.; pp. 8; illustrated.

General matter on sewage treatment is followed by a short advertisement of an automatic air lock apparatus installed at Charlotte, N. C., by the company named. The pamphlet is No. 1 of a proposed series of a similar nature.

AIR LIFT PUMPS.—The Ingersoll-Sergeant Drill Co., 26 Cortlandt St., New York City. Paper; 5 × 3 ins.; illustrated.

Methods of piping, costs of operation, advantages and field of application are briefly and attractively set forth. The costs of fuel given range from ¼ ct. per 1,000 gallons for a 15,000,000-gallon plant lifting 30 ft. to 1.3 cts. for a 250,000-gallon plant lifting 75 ft.

LOCOMOTIVES. — Davenport Locomotive Works, Davenport, Ia. Two pamphlets; Paper, oblong; 9¼ × 6½ ins.; pp. 4 (each); illustrated.

These pamphlets give descriptions and dimensions of a number of small locomotives of two types for contractor's and plantation work, etc. One is the Forney (0-4-4) type, and the other is the four-wheel (0-4-0) saddle-tank type.

THE ROBERTS & ABBOT CO., Engineers, Cleveland, O. 4 × 9 ins.; pp. 32; illustrated.

This little pamphlet is published to make known to prospective clients the advantages of employing competent engineers in connection with the construction and operation of electric railway and lighting plants. The book is interesting all the way through, not only to those for whom it is intended, but to engineers generally. The firm issuing it has built over 100 electric railways and over 225 electric lighting and power transmission plants and the statement made as to the work which an engineer should do is an admirable one.

TRACK AND RAILWAY SUPPLIES.—Buda Foundry & Mfg. Co., Railway Exchange Building, Chicago. Cloth, 6 × 9¼ ins., pp. 223; illustrated.

This is a catalogue and price-list of tools and appliances, and has also price-lists of the detail parts for repairs of jacks, drills, crossing gates, etc. Switches, frogs and switchstands; hand and inspection cars, wrecking frogs, pneumatic and lever gates for road crossings, metal track signs, and a variety of jacks and other tools are listed. Also brakeshoes and special alloys for bearings. There are a few pages of general information, weight of pipe and metals, quantities of track material, middle ordinates for bending rails, etc.

DUPLEX WATER LIFTER.—The Goulds Mfg. Co., Seneca Falls and New York City. Paper; 7 × 6 ins., folded into 3½ × 6-in. cover; pp. 16; illustrated.

The duplex water lifter is in reality a hydraulic pumping engine operated by city water pressure, built of bronze and on the well-known lines of the duplex steam pump. This catalogue illustrates and describes the machine and tells how to install it for tank and for direct pressure pumping, and for wasting and for utilizing the drive water. Fixtures for such installations are also described and prices are given throughout. In short, the new device and its accessories has been worked out and is here presented in an admirable manner.

SEWERAGE AND SEWAGE DISPOSAL APPARATUS.—Adams-Hydraulics, York and Scotswood-on-Tyne, England. Boards; 6 × 9 ins.; pp. 143; illustrated; 7½ shillings.

We have here a well-illustrated priced descriptive catalogue of automatic apparatus for opening and closing the gates at sewage treatment works, including even triple contact beds; also descriptions of devices for sewer flushing, the Adams sewage-lift, in which sewage from higher is made to lift that from lower levels, and a variety of lift gates, manhole covers, gaging weirs and other general supplies for sewerage systems. The Adams sewage-lift and some of the automatic dosing apparatus are already in use in this country and others of the devices might interest American engineers. The Pacific Flush Tank Co., 184 La Salle St., Chicago, handles some of the dosing apparatus described in the catalogue, but it should be understood that this catalogue can be secured from England only.

FLEXIBLE AUGURS FOR CLEANING WATER CLOSETS AND SEWERS.—James B. Clow & Sons, Chicago, Ill. Paper; 5 × 7 ins.; pp. 4; illustrated.

The ingenious device here described was introduced in New York City in November, 1886, and in five months, this circular states, more than 2,500 were in use there. The augur is set at the end of flexible wire, revolved by hand cranks. For waste pipe 9 ft. of wire on a reel is provided and for sewers varying lengths of wire, as desired, on reels.

CONCRETE MACHINERY AND WATER-PROOFING COMPOUND.—A. D. Mackay & Co., 84 Washington St., Chicago. Circulars.

The machinery includes a hand-power drum concrete mixing machine and a concrete tamping device for use in plants manufacturing concrete blocks, pipes, etc. The water-proofing material is a solution brushed or sprayed upon the surface of the finished concrete.

BUMPING POSTS.—The Mechanical Mfg. Co., Chicago. Paper; 6¼ × 9½ ins.; pp. 4; illustrated.

The views on this circular show the successful resistance of the Ellis bumping post to the impact of cars and locomotives that are run against it. A separate sheet shows cars dropped off the ends of trestles not fitted with bumping posts. There is also a long list of passenger terminal stations whose tracks are equipped with the Ellis posts.

DRINKING FOUNTAINS.—James B. Clow & Co., Chicago. Paper; 9 × 12 ins.; pp. 24; illustrated.

A variety of designs of plain and ornamental drinking fountains for man and beast are shown. Prices for painted and for bronze finish are given. Hygeia fountains, for use without cups, are included; some of these have porcelain bowls and silver bronzed standards, while for those who scorn new-fangled notions about disease germs, nickel-silver cups are supplied.

RAILS, FROGS AND SWITCHES, AND SPECIAL TRACK WORK. — William Wharton, Jr., & Co., 25th St. and Washington Ave., Philadelphia, Pa. Paper, oblong; 10¾ × 8½ ins.; pp. 30.

Rails of manganese steel for use on curves and for frog guard rails are shown, their object being to resist the wear of wheels at these points. Switches with manganese steel rails, and plain and crossing frogs with wearing blocks of manganese steel, are also shown. The illustrations show the various parts and also views of completed track fitted with these appliances.

FROGS AND SWITCHES.——Weir Frog Co., Cincinnati, O. Cloth, oblong, 8½ × 5 ins.; pp. 371; illustrated.

A great variety of stiff and movable frogs, crossing frogs, split and slip switches, and plain and automatic switchstands, are illustrated and described. The specialties include single-tongue switches, derailing switches, rail expansion joints at bridges, bridge guards, etc. Rail braces and portable track in sections (with steel ties) are also included. There are diagrams, tables and bills of material for turnouts; also tables of quantities of track material per mile, etc. Some description is given of the company's new shops.

GARBAGE INCINERATORS AND WAGON WASHERS'—The National Equipment Co., St. Louis, Mo. Folder; illustrated.

It appears that Mr. Joseph G. Branch, Chief Inspector of Boilers and Elevators for the city of St. Louis, has devised a garbage incinerator and also apparatus for washing garbage wagons, the latter including heating apparatus. Both the furnace and the washer appear to be well worthy of investigation. The incinerator consists of two furnaces, set at right angles to each other, each having an upper and lower grate. The combustion gases from one furnace are turned into the rear of the other. Water grates are used, with a header connected to the boiler plant, when the heat is to be utilized. In this case the gases of combustion are passed beneath a boiler. The folder contains estimates for the amount of electric power or number of lights that can be produced from a 150-ton furnace. The cost per ton of burning garbage, regardless of whether or not the heat is utilized, is placed at 9 cts. for coal ($2 a ton) and 10 cts. for labor, and it is remarked that the "sale of garbage ashes should pay cost of all necessary repairs."

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48 of Advertisements and Construction News page 42.

CONCRETE WORK.

Essex County Park Commission. } Newark, N. J. }

PROPOSAL.

Sealed proposals for the construction of concrete foundations, coursed rubble masonry and the furnishing and setting of bluestone steps, coping, etc., in Branch Brook Park, Westside Park, Orange Park and Watsessing Park, Essex County, New Jersey, and sealed alternative proposals for the above work, substituting reinforced concrete steps, concrete coping, etc., for bluestone, will be received at the office of the Essex County Park Commission, 800 Broad St., Newark, N. J., up to 3.30 P. M., Tuesday, August 15th, 1905. Plans and specifications can be examined and blank form of proposal obtained at the office of the Engineer, 60 Clifton Ave., Newark, N. J., after August 5th.

Proposals must be submitted on the blank form furnished by the Engineer and endorsed with the above title.

Proposals must contain bids for all items and prices must be written as well as stated in figures.

The Engineer's estimate of the work to be done by which the bids will be tested is as follows:

BRANCH BROOK PARK, NEWARK.
215 cu. yds. concrete foundations.
4,000 lin. ft. of steps, of different lengths.

WESTSIDE PARK, NEWARK.
80 cu. yds. concrete foundations.
60 cu. yds. coursed rubble masonry.
1,680 lin. ft. of steps, 12 ft. long.
425 lin. ft. of straight coping.
50 lin. ft. of curved coping.
190 lin. ft. of handrail.
12 caps.

ORANGE PARK, ORANGE.
5 cu. yds. concrete foundation.
96 lin. ft. of steps, 12 ft. long.

WATSESSING PARK, EAST ORANGE.
5 cu. yds. concrete foundation.
96 lin. ft. of steps, 12 ft. long.

The Essex County Park Commission reserves the right of increasing or reducing the above quantities.

A certified check for One Thousand Dollars ($1,000), payable to the Essex County Park Commission, without any conditions endorsed thereon, must accompany each bid, and be forfeited by the successful bidder unless he enters into a contract should the same be awarded to him. The successful bidder will be required to furnish a bond, from a Guaranty or Trust Company of satisfactory standing to the Commission, in the sum of Seven Thousand Five Hundred Dollars ($7,500) for the faithful performance of the contract.

The Essex County Park Commission reserves the right to reject any or all bids and retains the right to accept any bid which, in its judgment, is for the best interest of the County.

5-1t A. CHURCH,
Secretary, Essex County Park Commission.

WATER-WORKS IMPROVEMENTS.

Uxbridge, Mass.

Sealed proposals will be received by the Water Committee of the town of Uxbridge, Mass., till noon of Tuesday, Aug. 13, 1905, at which time they will be publicly opened and read, for furnishing about 22,000 feet of 12, 11,000 feet of 10, 3,200 feet of 8 and 2,800 feet of 6-inch cast-iron water pipe.

Also for the laying of the above pipe.

Also for building a concrete covered reservoir of about 500,000 gallons capacity.

Also for two triplex pumps of about 300 gallons per minute capacity, with two electric motors for operating the same.

Also for the necessary hydrants, gate valves, gate boxes, etc.

Proposals should be directed to Gideon M. Aldrich, Clerk of Committee, Uxbridge, Mass.

Blank forms of proposal and specifications can be obtained of Gideon M. Aldrich, Uxbridge, or of the Engineer, F. L. Fuller, 12 Pearl St., Boston. Plans of the distribution system and of the reservoir can be seen at either of the above places, or at the office of Engineering News, 220 Broadway, New York, where copies of specifications and form of proposal and contract can be obtained. 5-2t

PREPARING TO LET

Large Amounts of Steam Shovel and Other Work

Contractors desiring work please state fully what outfits they have.

Address, "G 5," Engineering News, New York
5-1t

POSTPONEMENT OF DATE OF OPENING FROM AUG. 3 to AUG. 14.

ELECTRIC LIGHT PLANT AND STORAGE RESERVOIR.

Lake Placid, New York.

Bids will be received until 3.00 P. M., August 14th for the construction of a masonry dam, power station and foundations, one 150-KW., one 100-KW., alternating current generator, one 225-HP. and one 150-HP. water wheel, one 200-HP. steam engine and all other station equipment; also all poles, wire, transformers, etc.

Bids will also be received for the construction of a storage reservoir and pipe line. The approximate quantities are 3,600 cu. yds. concrete, 2,500 cu. yds. excavation, and the laying of 4,500 lineal feet of 10" cast-iron pipe, trenching, backfilling, etc.

Plans and specifications may be seen at the Village Clerk's office. The Engineer will be in Lake Placid after July 29th for the purpose of going over the ground and furnishing any information required.

BYRON R. BREWSTER,
Village Pres.

CHAS. E. COLLINS, Engr. 5-1t

Specifications may be seen at the office of Engineering News, 220 Broadway, New York.

HIGH PRESSURE FIRE SYSTEM.

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, Canada, up to noon on Tuesday, September 19th, 1905, for the installation of two (2) five million (5,000,000) imperial gallon turbine pumps and steam turbines, and also for the supply of fire hydrants, valves and cast-iron pipe.

Envelopes containing tenders must be plainly marked on the outside as to contents.

Specifications may be seen and forms of tender obtained on application at the office of the City Engineer, Toronto.

The usual conditions relating to tendering as prescribed by City by-law, must be strictly complied with.

The lowest or any tender not necessarily accepted.

THOS. URQUHART (Mayor),
5-3t Chairman of Board of Control.
City Hall Toronto, Ont., July 29th, 1905.

CONCRETE BRIDGE.

City Engineer's Office, No. 17, City Hall, } New Haven, Ct., July 31, 1905. }

Sealed proposals will be received at this office until 2 p. m., Aug. 11, 1905, for constructing a bridge on Kimberly Avenue over the northeasterly branch of West River, of concrete, I-beams, and reinforced concrete. Total length, 75 feet, of three spans. Width, 66 feet.

Blank forms of proposal, and any information concerning plans, specifications, bonds, etc., will be furnished upon application.

No proposal will be received after the time specified, and all proposals not on the blanks furnished or not properly filled out will be rejected. The right to reject any or all bids is reserved.

By order of the Director of Public Works.
C. W. KELLY,
5-1t City Engineer.

TO ENGINE BUILDERS.

City of Edmonton Water-works.

Tenders are invited for an additional pumping engine. Particulars to be had of J. H. Hargreaves, City Engineer, Edmonton.

Tenders addressed "Commissioner of Public Works, Edmonton, Alta., Canada," to be delivered not later than Tuesday, August 15th prox.

G. J. KINNAIRD,
5-1t Secretary-Treasurer.
Edmonton, Alta., Canada, July 28, 1905.

PROPOSALS FOR SANITARY FIXTURES.—Office Isthmian Canal Commission, Washington, D. C., July 29, 1905.—Sealed proposals, in triplicate, will be received at the Office of the General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., until 10.30 A. M., August 28, 1905, at which time they will be opened in public, for furnishing Bath Tubs, Water Closets, Showers, Sinks, Lavatories, Urinals, Laundry Tubs, etc. Blanks and full information may be obtained from this office or the offices of the Assistant Purchasing Agents, 24 State Street, New York City; Custom House, New Orleans, La.; 36 New Montgomery Street, San Francisco, Cal., and 400 Chamber of Commerce, Tacoma, Wash., also from Chief Quartermaster, Department of the Lakes, Chicago, and the Commercial Club, Mobile, Ala. D. W. ROSS, General Purchasing Officer. 5-4t

WATER-WORKS.

Newark, Ohio.

Sealed proposals for labor and material for construction of water-works system for the City of Newark, State of Ohio, will be received by the Board of Public Service until 12 o'clock noon, Standard Time, August 12, 1905, in accordance with the plans specifications on file in the office of the Board.

Specifications may be had at $1.50 per copy on application to said Board. Plans will be loaned prospective bidders who call in person and by depositing $50 return of same, to the Board, as per legal notices in local papers.

All rights reserved to reject any or all bids, or to accept any portion thereof. By order of the Board of Public Service.

4-2t JOHN P. LAMB, President.

STREET PAVING

Newburgh, N. Y., August 1, 1905.

Sealed proposals will be received at the office of City Clerk in City Hall, Newburgh, N. Y., until twelve o'clock noon on Wednesday, August 16, 1905, for furnishing all labor and materials necessary for about 8,100 square yards of street pavement, building catch basins; setting curbstone and otherwise permanently improving Lander street in said city from Broadway to South street.

A cash or certified check for five hundred dollars must accompany each bid.

Plans and specifications of the work to be done, and form of proposal containing full information for bidders may be seen at the office of City Engineer in City Hall.

The Board of Public Works reserves the right to reject any or all of the bids received and to accept any bid considered most favorable to the city.

D. J. COUTANT, City Clerk.
EVERETT GARRISON, City Engineer. 5-2t

PUMPING MACHINERY.

Columbus, Ohio.

Sealed proposals for furnishing and erecting the machinery and equipment for the Scioto River Pumping Station, in Franklin Township, Franklin County, Ohio, will be received by the Board of Public Service, Columbus, Ohio, until 12 o'clock noon (standard time) of September 14, 1905, in accordance with the plans and specifications on file in the office of the said Board and in the custody of Julian Griggs, Chief Engineer.

The machinery and equipment will consist of two 20,000,000-gallon vertical triple expansion crank and fly-wheel pumping engines; two 20,000,000-gallon engine-driven centrifugal pumps; two 100-KW. 220-volt direct current engine-driven generating sets; four 300-HP. horizontal water tube boilers; one 20-ton electric traveling crane, and all piping and other minor equipment in the station.

Each proposal must be accompanied by a certified check on a Columbus bank, or a proposal bond for an amount equal to at least 10 per cent. of the bid. A bond for 50 per cent. of the amount of the contract will be required of the successful bidder.

No consideration will be given to bids for separate parts of the plant; only bids for the plant as a whole will be considered.

A copy of the specifications can be had upon application to the Chief Engineer. Copies of the plans will be loaned only to prospective contractors applying in person. A copy of the plans and specifications can be seen at the office of Hering & Fuller, Consulting Engineers, 170 Broadway, New York, N. Y.

By order of the Board of Public Service.
CHAS. H. FRANK, Secretary.
5-6t Columbus, Ohio.

STEEL HIGHWAY BRIDGE.

Concord, Me.

The County Commissioners of Somerset County, Maine, by authority granted them by an act of the 1905 Legislature of Maine, will receive bids until noon of the 21st day of August, 1905, for the furnishing all material and building the superstructure of a steel highway bridge over the Kennebec river, between the towns of Bingham and Concord, Maine.

The bridge will be 430 feet or more in length and be either of one or two spans. Specifications and plans of the sites may be had on application to E. E. Greenwood, C. E., Skowhegan, Maine.

A certified check for $500.00 will be required with each proposal. All checks will be returned on the acceptance of proposal and execution of contract and filing of a bond for the fulfillment of same.

The right is reserved to reject any or all bids. 5-2t

DEPARTMENT OF BRIDGES, CITY OF NEW YORK

Nos. 13 to 21 Park Row

SEALED BIDS OR ESTIMATES will be received by the Commissioner of Bridges at the above office until 2 o'clock p. m. on

Thursday, Aug. 10, 1905

For Furnishing the Metal Work for the Anchorages and Constructing the Towers, Cables, Suspenders and Suspended Superstructure of the Manhattan Bridge, over the East River, between the Boroughs of Manhattan and Brooklyn.

For full particulars see City Record.

Dated July 18, 1905

GEO. E. BEST
Commissioner of Bridges

5-1t

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